

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Access DB# 53628

118

Requester's Full Name: DUNC O'NEILL Examiner #: 70717 Date: 10/23/01  
 Art Unit: 2153 Phone Number 305-9655 Serial Number: 09/779,177  
 Mail Box and Bldg/Room Location: \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*  
 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_  
 Inventors (please provide full names): See attached patent

Earliest Priority Filing Date: 1/19/96

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

remotely ~~running~~ executing / control of application programs over the Internet.

from a remote computer, running a program located on another computer and able to control the program from the remote computer.

10-24-01 11:28 IN

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>E. C. 2100</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>305-0757</u>	AA Sequence (#) _____	Dialog <input checked="" type="checkbox"/>
Searcher Location: <u>11/07/01</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: <u>11/09/01</u>	Bibliographic <input checked="" type="checkbox"/>	Dr. Link _____
Date Completed: <u>40</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>361</u>	Fulltext <input checked="" type="checkbox"/>	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>431</u>	Other _____	Other (specify) <u>✓ TDBS</u>

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COMMERCIAL DATABASE SEARCH FOR 09/779177

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*		*
*	Prepared for: Dung Dinh, 2153	*
*		*
*	By : Ellen Lytton, EIC2100 305-0757	*
*		*
*	Date : November 9, 2001	*
*		*

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Examiner Dinh:

Attached is the search you requested on the remote control of programs on computer networks. There were very high postings for this subject in the fulltext NPL files. Due to the high postings, even when a controlled search was done, I printed out the fifty oldest records. If you would like to see all of the records, just let me know.

If you would like to have the search modified in any way, you can reach me at 703/305-0757.

Ellen

S1 1 PN="US 5909545"  
?t,s1/9/1

1/9/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
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15180937

Basic Patent (No,Kind,Date): US 5909545 A 19990601 <No. of Patents: 001>

PATENT FAMILY:

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5909545 A 19990601

METHOD AND SYSTEM FOR ON DEMAND DOWNLOADING OF MODULE TO ENABLE REMOTE  
CONTROL OF AN APPLICATION PROGRAM OVER A NETWORK (English)

Patent Assignee: TRIDIA CORP (US)

Author (Inventor): FRESE II VINCENT (US); BLEVINS W BRIAN (US)

Priority (No,Kind,Date): US 589136 A 19960119

Applic (No,Kind,Date): US 589136 A 19960119

National Class: \* 395200380; 395200320

IPC: \* G06F-015/136

Derwent WPI Acc No: \* G 99-403767; G 99-403767

Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 5909545 P 19960119 US AE APPLICATION DATA (PATENT)  
(APPL. DATA (PATENT))

US 589136 A 19960119

US 5909545 P 19960419 US AS02 ASSIGNMENT OF ASSIGNOR'S  
INTEREST

MAXIMUM COMPUTER TECHNOLOGIES, INC. BUILDING  
200, SUITE 240 1000 COBB PLACE BOUL ; FRESE  
II, VINCENT : 19960415; BLEVINS, W. BRIAN :  
19960415

US 5909545 P 19980624 US AS02 ASSIGNMENT OF ASSIGNOR'S  
INTEREST

TRIDIA CORPORATION BUILDING 200, SUITE 210  
1000 COBB PLACE BLVD., NW KENNESAW, G ;  
MAXIMUM COMPUTER TECHNOLOGIES, INC. :  
19980420

US 5909545 P 19990601 US A PATENT

US 5909545 P 20001128 US CC CERTIFICATE OF CORRECTION

us5909545/pn

LGST	1
CRXX	1
LITA	0
PAST	1

\*\* SS 3 : Results 3

Search statement 4

?prt ss3 max 1-3

1/3 LGST (1/1) - (C) LEGSTAT  
PN - US 5909545 [US5909545]  
AP - US 589136/96 19960119 [1996US-0589136]  
DT - US-P  
ACT - 19960119 US/AE-A  
APPLICATION DATA (PATENT)  
{US 589136/96 19960119 [1996US-0589136]}  
- 19960419 US/AS02  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
MAXIMUM COMPUTER TECHNOLOGIES, INC. BUILDING 200, SUITE 240 1000 COBB  
PLACE BOUL \* FRESE II, VINCENT : 19960415; BLEVINS, W. BRIAN :  
19960415

- 19980624 US/AS02  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
TRIDIA CORPORATION BUILDING 200, SUITE 210 1000 COBB PLACE BLVD., NW  
KENNESAW, G \* MAXIMUM COMPUTER TECHNOLOGIES, INC. : 19980420  
- 19990601 US/A  
PATENT  
- 20001128 US/CC  
CERTIFICATE OF CORRECTION  
UP - 2000-48

2/3 CRXX (1/1) - (C) CLAIMS/RRX  
AN - 3154373  
PN - 5,909,545 A 19990601 [US5909545]  
PA - Tridia Corp  
PT - E (Electrical)  
ACT - 20001128 CERTIFICATE OF CORRECTION

UP - 2000-48  
UCOR- 2000-11-28

3/3 PAST (1/1) - (C) PAST  
AN - 200048-000134  
PN - 5909545 A [US5909545]  
DT - A (UTILITY)  
OG - 2000-11-28  
CO - COR  
ACT - CERTIFICATE OF CORRECTION  
SH - CERTIFICATE OF CORRECTION



LEVEL 1 - 1 OF 1 PATENT

5,909,545

<=2> GET 1st DRAWING SHEET OF 4

Jun. 1, 1999

Method and system for on demand downloading of module to  
enable remote control of an application program over a  
network

CERTCORR: Nov. 28, 2000 a Certificate of Correction was issued for this patent  
(O.G. Nov. 28, 2000)

CORE TERMS: user, computer, protocol, remote control, rdm, display, interface,  
network, remote, module...

LEXIS-NEXIS  
Library: PATENT  
File: ALL

5,909,545 OR 5909545

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEXIS-NEXIS  
Library: PATENT  
File: CASES

5,909,545 OR 5909545

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LEXIS-NEXIS  
Library: PATENT  
File: JNLS

5,909,545 OR 5909545

Your search request has found no STORIES.

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What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEXIS-NEXIS  
Library: NEWS  
File: CURNWS

**WEST**

Generate Collection

**Search Results - Record(s) 1 through 7 of 7 returned.**☐ 1. Document ID: NN9801409

L6: Entry 1 of 7

File: TDBD

Jan 1, 1998

DOCUMENT-IDENTIFIER: NN9801409

TITLE: Process for Transparently Locating and Running Applications on Servers

## TBTX:

While this technology seems especially useful for running remote applications that project their interfaces, it can also be used simply to run remote applications. For example, if a user wished to run a program on his mail server that filtered out "junk" electronic mail, he could start the program using the RLM. He needn't worry about where his mail server (or servers) resided -- or even if they had moved. Differences from Existing Art - The RLM is in some ways like file servers and network file systems. Both allow users to run application that are not stored on his computer. However, using either technology requires that the application execute on his local computer, not on the server storing it. If his workstation lacks the power to run the application, or a compatible binary for his node does not exist, the user cannot run the application. By running application on servers, we need only one version of the binary (for the server's architecture) and, assuming that an appropriate server was chosen, the user is assure of sufficient power to run the application. Thus, unlike file servers, the RLM can allow a user to run applications otherwise inaccessible to his computer. The RLM is also similar to queuing systems such as DQS. These systems allow user's to request that an application run on a computer in a server pool. If a computer is not free in the server pool, the application will be queued until one becomes available. This differs from the RLM in that the RLM always runs the application immediately. Furthermore, the RLM makes provisions (through bridges) for projecting interfaces back to a user's machine; queuing systems do not. The RLM is slightly related to the World Wide Web (WWW). The WWW allows users to load documents without regard to location by following "hyperlinks." This differs from the RLM since the RLM deals in remotely executing programs, not locally viewed documents.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc
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☐ 2. Document ID: NN940151

L6: Entry 2 of 7

File: TDBD

Jan 1, 1994

DOCUMENT-IDENTIFIER: NN940151

TITLE: Hooking Function Calls to Hardware to Monitor Computer Output on Other Computers

## TBTX:

This document contains drawings, formulas, and/or symbols that will not appear on line. Request hardcopy from ITIRC for complete article. - Disclosed is a method to monitor the output of one computer on another. Monitoring computer output entails hooking the function calls that produce output on a computer at one location and sending those function calls to a second computer. The first computer's output is recreated on the second computer by replaying those

function calls on the second computer. - The output of one computer occasionally needs to be monitored on another computer. The computer output may occupy large amounts of storage. For example, visual output may be stored as bit-mapped images. The image of a PS/2's\* VGA display occupies 156 kilobytes of storage. Storing other multimedia output such as video, voice or music as digitized data also occupies large amounts of storage. - Monitoring computer output entails capturing the computer output at one location and sending it to another location for playback. The large amounts of storage needed to represent the output, especially multimedia output, may degrade the performance of monitoring the output. This invention addresses how to decrease the amount of data needed to monitor the output of a remote computer on a local computer. - The raw data of low level computer output is usually generated by a higher level function or program. This program makes function calls to the output device which produces the raw output. The amount of computer storage needed to hold the data that describes a function call is significantly less than the storage needed to hold the low level computer output. - Monitoring the output of a computer may be accomplished by capturing or 'hooking' function calls made to the computer output device. These function calls contain all the commands necessary to produce output on any computer. These function calls can then be sent from the remote computer where they were hooked to the local computer. The function calls may be executed on the local computer to produce output identical to the output produced on the remote computer. 1. The remote computer captures the function calls. 2. The remote computer sends the function calls to the local computer. 3. The remote computer executes the function calls. 4. The local computer executes the function calls. 5. The same output is produced on both the local and remote computers. - The capture, sending, and execution of the function calls may be concurrent with the execution of other applications on both the remote and local computers. Computer tasks not involved with the capture, communication, and playback of the function calls are not affected by the monitoring of the computer output. Operating systems that support multitasking, such as OS/2\*, will not have their multitasking capabilities affected. - This procedure does not limit the type of output which may be monitored. Output devices may be (but are not limited to) visual displays, sound generators, or other multimedia output devices. - Similarly, this invention does not limit the method by which function calls are captured on the remote computer. Any hooking method is valid as long as it captures all the function calls to the output device in a form that may be reproduced on the local computer. - The method by which hooked function calls are sent from the remote computer to the local computer is independent from this invention. Any functional communications protocol on any communications media may be used. - This invention has been implemented in a product which runs on OS/ Presentation Manager\* (PM) on PS/2 Personal Computers (PC). It allows a local PC to take control of the keyboard and mouse of a remote PC, and monitor the display of the remote PC. The local PC runs the application-user interface and communications applications which establish a communications session with the remote PC, send input to the remote PC, and display the screen of the remote PC. The remote PC runs applications which establish a communications session with the local PC, receive input from the local PC, hook graphics function calls on the remote PC, and send these hooked graphics function calls to the local PC. The local PC displays the remote PC's screen by receiving the remote PC's graphics function calls and executing them on the local PC. - This invention deals with how the application uses the method of hooking the graphics function calls to monitor the display of the remote PC on the local PC. - The application hooks the device-independent high level graphics function calls made by programs to the PM Graphics Engine (GRE) component. Hooking these function calls on the remote computer is accomplished by providing the GRE with an entry point that is called when OS/2 first starts, or 'boots', the computer. The entry point enables the hooking application to replace all of the GRE functions that produce output on the display. This means that each time a program calls the GRE component to produce output on the display, the hooking application is called instead of the GRE function. The hooking application may then store each graphics function call made by each PM program in a format that may be sent to the local computer. After the hooking application stores the function call, the hooking application may execute the real GRE call to produce the output on the remote computer. - The hooking application sends the captured GRE function calls to the local computer. The application uses APPC over a SNA backbone, NetBIOS on a Token Ring, or ACIDI on asynchronous lines for communications. - A receiving

application executes on the local computer, and continuously receives the GRE function calls sent by the remote computer. The receiving application interprets the format of the received function calls, and executes them by calling the appropriate functions in the GRE. This produces output on the local computer which is identical to the output on the remote computer. Several issues had to be resolved to use this concept: 1. Which GRE calls should be hooked on the remote PC 2. How GRE calls should be represented when they are sent from the remote PC to the local PC 3. How the remote PCs GRE calls should be executed on the local PC 4. How the local PC should display the output produced by executing the remote PCs GRE calls. The following functional areas of the PM Graphics Engine were studied: o Read only GRE functions o Boundary and correlation o Engine callbacks o Paths and Areas o Device context properties o Regions o Clipping o Advanced Video Input and Output (AVIO) o Color o Fonts and text output o Fill patterns o Bit-maps o GreSaveScreenBits and GreRestoreScreenBits o Lines o Arcs o Co-ordinate systems. Solutions to the four issues were found for all areas of the GRE. The following example shows the solution for one of the GRE Arc functions, GreBoxBoth, which draws and fills a rectangular box with a color in a pattern. The rectangular box has one corner at the current (x,y) position and the opposite corner at a specified (x,y) position on the screen. - The first question is: Should the GreBoxBoth be hooked on the remote PC? The answer is yes, because the GreBoxBoth function produces output on the screen. This output must be duplicated on the local PC. - The second issue of how to represent the GreBoxBoth call is more complicated. It is best to go through an example of a program calling GreBoxBoth. When a program on the remote PC wants to draw and fill a box on the screen, it calls the function GreBoxBoth. Because the application hooks all the GRE functions, the program actually calls the application substitute function for GreBoxBoth. The function prototype for GreBoxBoth as defined in the 'C' programming language: When the program calls GreBoxBoth, the application hook function (APP\_BoxBoth) that replaced the real GreBoxBoth is called. To reproduce the output from this function on the local PC, the APP\_BoxBoth function must send a description of the GreBoxBoth function to the local PC. This description must contain all of the graphics properties used by GreBoxBoth, the necessary parameters passed into GreBoxBoth, and the unique GRE function number that identifies GreBoxBoth. The properties used by GreBoxBoth are the current (x,y) position, the line, or pen, attributes for drawing the outline of the box, and the area, or pattern, attributes for filling the interior of the box. - The APP\_BoxBoth function uses the APP\_BOXBOTH\_DATA\_TO\_SEND structure to describe the GreBoxBoth function call. This structure occupies 98 bytes. The raw screen output generated by painting the entire screen blue with GreBoxBoth on a VGA display adapter is (640 pixels \* 480 pixels \* 4 color bits per pixel) / 8 = 153,600 bytes of data. Hooking this function saves sending 153,600 - 98 = 153,502 bytes over sending the raw display data generated by GreBoxBoth. - This savings will improve the performance of monitoring the computer output because less data has to be sent from the remote PC to the local PC to reproduce the remote PCs screen. Performance of the network as a whole, which most likely includes users other than the remote and local PC operators, will improve due to reduced bandwidth usage. Performance on the remote and local PCs will improve because less memory is needed to represent the changes on the remote PCs screen. - Once the local PC receives the APP\_BOXBOTH\_DATA\_TO\_SEND buffer from the remote PC, the local PCs receiving application examines the lFunction field of the APP\_BOXBOTH\_DATA\_TO\_SEND buffer to determine which GRE functions to call to recreate this information. This solves the third problem, how to execute the remote PCs function calls on the local PC. - The fourth issue of how the local PC can display the output produced by executing the remote PCs graphics calls may be solved by displaying the output in a PM window on the local PC. This window may correspond to the remote PCs screen. For example, the bottom left of the window corresponds to the bottom left of the remote PCs screen. - 'C' pseudo code solving the third and fourth issues is : // window handle of the local PCs user interface HWND hwndLocalPCUserInterface; // The APP\_Receive function on the local PC is called when data is // received from the remote PC. It is assumed that the code calling this // function is associated with the communications protocols used for the // communications session between the local and remote PCs. The // implementation of communications is not important to this example. VOID APP\_Receive ( PBYTE pDataReceived ) { // the first four bytes is the unique GRE function number switch ( (PULONG)\*pDataReceived ) { // the buffer received corresponds to a GreBoxBoth call on the remote PC case NGreBoxBoth:

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc
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☐ 3. Document ID: NN9312231

L6: Entry 3 of 7

File: TDBD

Dec 1, 1993

DOCUMENT-IDENTIFIER: NN9312231

TITLE: Dynamic Buffering based on Communications Protocols

TBTX:

A mechanism to dynamically determine the optimum configuration of a communications protocol is disclosed. Each communications protocol is configured when chosen by the operator so that the greatest amount of data can be transmitted over that protocol. Due to the proliferation of communications protocols in today's networks, many applications must communicate over many varied protocols. Each of these protocols has an optimum configuration so that data will flow in the most efficient and timely manner. It is often difficult if not impossible for an operator to know or be able to establish that configuration easily. Having the application determine the correct configuration based on the protocol chosen by the user is the most effective mechanism to accomplish this task. Most often these configuration involves the determination of the correct buffer size in which to transmit the data over the communications protocol. - A computer application may need to just communicate over a protocol by broadcasting or directly communicate to another application. When the operator or user chooses the protocol over which the application is to communicate, the application needs to have an understanding of how that protocol operates. The applications can allocate their dynamic memory and partition it into buffers of the size that is optimum for the particular communications protocol being used. For example, when using APPC on a token ring, the optimum would be 16K buffers. These are the buffers in which data is sent and received. This allows the performance of the application to be most efficient with the communications used dynamically instead of always using the same scheme to send and receive data. This practice can be followed for every protocol that is supported by the particular application. This frees the operator from understanding the details of a protocol and allows the application to perform it's communications in the most efficient manner. - This concept could be expanded to include other parameters such as line speed for modems or packet size for the Internet Protocol. - This concept has been implemented in a product which runs on OS/2 Presentation Manager (PM) on PS/2 Personal Computers (PC). It allows a local PC to take control of the keyboard and mouse of a remote PC, and monitor the display of the remote PC. The local PC runs the application user interface and communications applications which establish a communications session with the remote PC, sends input to the remote PC, and displays the screen of the remote PC. The remote PC runs the applications which establish a communications session with the local PC and receive input from the local PC. - These applications use dynamic buffering for the communications protocols they support which are APPC (Advanced Program-to-Program Communication), ACDI (Asynchronous Communications Device Interface), and NetBios. The application configures the respective buffering at 16K, 2K, and 8K.

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Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc
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☐ 4. Document ID: NA9002264

L6: Entry 4 of 7

File: TDBD

Feb 1, 1990



DOCUMENT-IDENTIFIER: NA9002264

TITLE: Remote Environmental Monitor for Unattended Computer Operations.

## TBTX:

- The remote environmental monitor (REM) for unattended computer operations is a microcomputer program which collects environmental data from unattended computer rooms and transmits that data to a separate, external computer network management system. - The environmental data collected by the REM program consists of, but is not limited to, the following: 1. Power supply conditions 2. Air temperature 3. Relative humidity 4. Presence of smoke/fire/flood 5. Ground motion (earthquake) 6. Room and building security The data is transmitted to any separate automated system used to remotely operate and control the computers contained in the room being monitored. - Transmission of the data may occur: 1. Automatically, at regular predetermined intervals 2. On demand, in response to a command issued from the separate system used to operate the computers in the room being monitored 3. Upon any of the environmental factors exceeding a predetermined threshold (e.g., room temperature exceeding 80oF, detection of smoke or fire) AB: The data transmitted may be either only the most recent environmental measurements or a set of accumulated measurements of each factor. - REM Functions: Please refer to the figure for this discussion of REM functions. The REM program resides and operates in a microcomputer located in a remote unattended computer room. Attached to the REM microcomputer are multiple environmental sensors. A set of hardware interface programs continuously obtain data from the sensors and provide that data to the REM program. - The REM program obtains the sensor data from the hardware interface programs and compares those data values to predetermined threshold values for each environmental factor. If any obtained value equals or exceeds the associated threshold value, then the REM program transmits an alert to the network management program via a communication program resident in the REM microcomputer. The network management program may pass the alert to its control console terminal display, to notify the operator on duty. - For example, the REM program may determine that the room air temperature has exceeded 80oF and transmit an alert message containing that information to the network management program. - The REM program also accumulates the data from the sensors and may transmit that data at regular, predetermined intervals to the remote network management program. Continued For example, the REM program may transmit once per day the hourly temperature and humidity readings for the computer room being monitored. - The REM program also may transmit accumulated or instantaneous data upon receiving a request to do so from the remote network management program. - The values used as REM thresholds may be reset by commands issued from the network management program. For example, the room temperature at which an alert should be sent by the REM program may be lowered from 80oF to 70oF in response to a command sent from the network management program through the network management communication program on the REM microcomputer. The frequency with which the REM program automatically transmits data may be reset in a similar manner. - Co-Requisite Software Microcomputer Software: 1. NetView/PC (or equivalent communications software) 2. IBM PC-DOS Version 3.20 or 3.30, or IBM OS/2 Extended Edition 3. IBM Realtime Interface Control Program DOS Support 4. Environmental hardware interface software Host Computer Software: 1. NetView (or equivalent host computer network management software) There is no known prior art, in that REM provides a new category of information to a network management program.

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc
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☐ 5. Document ID: NN8901160

L6: Entry 5 of 7

File: TDBD

Jan 1, 1989

DOCUMENT-IDENTIFIER: NN8901160

TITLE: New LISTEN Option for Advanced Program to Program Communications  
ALLOCATE Verb Interface

## TBTX:

- A method is described which allows "server" applications which perform resource management functions to run on LU6.2 networks. Communications applications that act as "server" programs in the UNIX\* environment often perform resource management functions (e.g., instanciating other processes to perform specific tasks). The LU6.2 architecture has a very rigid definition of this resource management function. By definition, when a valid transaction program activation request is received, the LU6.2 resource manager tries to activate the program to perform the requested transaction. This definition can be called a Single Resource Manager model. The Single Resource Manager model is not adequate to support communications "server" applications programs which provide multiple services, such as terminal emulation, remote command execution, electronic mail, and file transfer. Such applications define a Multiple Resource Manager model. Typically, a "server" program will run continuously in the background waiting for a request for one of its services - in essence "listening" for a request. The LISTEN option for the ALLOCATE verb would allow the "server" program to wait for a request. When the activation request arrived, the "server" could then perform its resource manager function. Thus, the ALLOCATE(LISTEN) verb extends the Advanced Program to Program Communications (APPC) interface to support the Multiple Resource Manager model. The ALLOCATE verb is implemented in the SNA Data Device Driver (SNADD). The Resource Management function is implemented in the SNA Manager Device Driver (SNAMDD). Support for the new LISTEN option requires: 1) additional logic in SNADD to accept the option as input from the AIX\*\* operating system's file system, and 2) additional logic in SNAMDD for processing activation requests against resources specified by the LISTEN. The ALLOCATE(LISTEN) verb carries with it the name of a transaction program for which an activation request is expected at a future time. When SNADD is invoked to process the LISTEN, it will cache the transaction program name (TPN) in a TPN table. Control will then be returned to the issuer of the LISTEN command. SNAMDD processes received activation requests. The activation request (in the form of a LU6.2 Function Management Header type 5 containing an ATTACH command) carries the TPN to be activated. After performing normal error detection procedures, SNAMDD will search the TPN cache for the TPN received in the activation request. If the TPN is found in the TPN table, the application that issued the LISTEN will be posted. Otherwise, SNAMDD will attempt to activate the transaction program as usual. \* Trademark of AT&T Bell Laboratories. \*\* Trademark of IBM Corp.

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw	Desc
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☐ 6. Document ID: NN83035024

L6: Entry 6 of 7

File: TDBD

Mar 1, 1983

DOCUMENT-IDENTIFIER: NN83035024

TITLE: Dynamic Trace Mechanism for Intelligent Terminals. March 1983.

## TBTX:

3p. In a network of intelligent terminals having a distributed virtual memory, a systems programmer is able, by remote control, to start and stop the tracing of program execution in any of the terminals, without requiring assistance (or even awareness) from the operators of those terminals. A distributed virtual memory terminal in which the trace mechanism can be built is described in European Patent Application 43391. - An intelligent terminal (such as the above-referenced distributed virtual memory terminal) provides an environment into which "application programs" can be loaded and within which these

application programs are executed. This environment is typically realized by a "control program" held in read-only memory, and application programs are required to do their data input and output by invoking the services of this control program (even though application programs are usually unconstrained in the computations which they perform). - Accordingly, at selected points in the read-only microcode of the distributed virtual memory terminal, there are calls to a "dynamic trace" routine. Each call specifies one or more of 8 "event type" parameter bits, in order to distinguish between events such as "processing a keystroke" and "calling a transient". The dynamic trace routine maintains a "trace mask" byte in system storage. On each call to the dynamic trace routine, the caller's event-type parameter byte is ANDed with the trace mask byte, and if the result is zero, there is an immediate return to the caller and no trace action occurs. On system reset, the trace mask byte is initialized at zero to inhibit tracing, and in this state the CALLS to the trace routine with immediate RETURNS have no measurable effect on the execution time of the control program services. - A means is provided for a system programmer (who is assumed to have access to the backing store machine of the distributed virtual memory network) to send commands to a selected terminal to turn bits on and off in the trace mask byte, so enabling and disabling the tracing of selected events in that terminal. The action of tracing makes use of the virtual memory mechanism as follows. When a call to the dynamic trace routine finds that the specified event type is enabled for tracing, the dynamic trace routine writes a coded "trace message" into a "current trace message segment" in the terminal's virtual memory look-aside store (requesting a new trace message segment to be allocated in the virtual memory when the current trace message segment is full). Completed trace message segments are paged back to the backing store (using normal virtual memory procedures), at which point they can be extracted and decoded by the systems programmer. - The dynamic trace mechanism in the above referenced distributed virtual memory system can record any or all of the events listed below. For each event, the trace message contains an event type code, the increment of clock time since the last event occurred, and information specific to the event type. EVENT CONTENT OF TRACE MESSAGE Keystroke entry: The character code for the key that was struck Task dispatching: The task identifier Calls to transients: The system name of the transient Returns from transients: The system name of the transient Page faults: The segment identifier of the requested segment Page-in of segments: The segment identifier of the paged-in segment Page-out of segments: The segment identifier of a segment which, having had its contents modified, is being copied to the backing store Drop-out of segments: The segment identifier of a segment which has an exact copy in the backing store, but whose local copy is being discarded through lack of use Storage allocation: The segment identifier and length of the allocated storage Change of segment length: The segment identifier and length of a storage segment which is being extended or truncated Freeing of storage: The segment identifier and length of the freed storage Movement of a segment: The real address and length of a segment which is being moved in memory by the control program in order to overcome storage fragmentation Program binding to data: The segment identifier of a segment of procedure or data which is being accessed in virtual memory by an application program. - In order to limit the distortion which the trace mechanism will cause in the application program being traced, all of these trace messages are recorded in a compact code. In the distributed virtual memory terminal the smallest time interval which can be distinguished in application programs is determined by a 27-millisecond timer interrupt, so in the interest of compactness the "increment of clock time" variable is omitted from a trace message if an event is recorded in the same 27-millisecond period as its predecessor. Trace messages thus vary in length from 2 bytes to 6 bytes, according to both event type and context. - The dynamic trace procedure can be used, for example, to obtain a page fault trace of an application program which over-commits memory, to record the rate of keystroking of terminal operators, and to determine how far an application program is compute-bound or I/O-bound.

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw	Desc
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☐ 7. Document ID: NN80044958

L6: Entry 7 of 7

File: TDBD

Apr 1, 1980

DOCUMENT-IDENTIFIER: NN80044958

TITLE: Remote Maintenance Loop Test on Multipoint Networks Employing Baseband Data Circuit Terminating Equipment. April 1980.

TBTX:

2p. This article addresses the problem of communication between baseband Data Circuit-terminating Equipments (DCEs) for remote maintenance loop tests on a multipoint network. - CCITT Recommendation V 54 defines four loops and their location as seen from the local Data Terminal Equipment (DTE) and shown in the figure. - Problems arise for the automatic control of loop tests when the DCEs are baseband DCEs. Control of local loops 1 and 3 can be performed without DCE modifications, but the control of remote loops 2 and 4 requires a new DCE design. - This article describes a method which provides for the transmission of address/command information to the remote DCEs. In the proposed method, each DCE is provided with the capability of transmitting/receiving two twin basic codes, that is, two codes that have no spectrum incompatibilities. Two twin basic codes are, for example, the bipolar and biphase codes. - Let us consider a network in which data are transmitted over the line by using a biphase code. The maintenance sequence is initiated by the local DTE which turns the Remote Loop-back (RL) lead ON. The local DCE detects the RL lead ON and prepares to accept the address/command signal from the local DTE. The local DTE transmits the address/command information on the Transmitted Data (TD) lead to the local DCE. - The local DCE turns the Test Indicator (TI) lead ON and transmits the address/command information using a bipolar code. The remote DCEs accept the address/command signal, turn the TI lead ON, and the selected remote DCE executes the command received. The remote DTE detects the TI lead ON, thereby is informed of the test condition, and does not disturb the test being performed. - Detection of the address/command signal by the remote DCE is very reliable since two conditions are satisfied: code recognition and address/command decoding.

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc
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Generate Collection
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Terms
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Documents
-----------

15 same 13 same 14
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7
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Display
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10
----

Documents, starting with Document:

7
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Display Format: 

KWIC
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Change Format
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File 350:Derwent WPIX 1963-2001/UD,UM &UP=200165

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File 347:JAPIO OCT 1976-2001/JUL(UPDATED 011105)

(c) 2001 JPO & JAPIO

File 344:CHINESE PATENTS ABS APR 1985-2001/Sep

(c) 2001 EUROPEAN PATENT OFFICE

Set	Items	Description
S1	117548	(REMOTE? OR DISTANCE OR DISTANT? OR TELE) (5N) (EXECUT? OR C- ONTROL? OR RUN? ? OR RUNNING OR ACTUAT? OR ACTIVAT? OR OPERAT? OR SHUTDOWN? OR SHUT????() DOWN OR CLOSE? OR CLOSING OR UPDAT- ???) OR TELECONTROL?
S2	1033823	PROGRAM? ? OR PROGRAMME OR PROGRAMMES OR APPLICATION? OR S- OFTWARE OR INSTRUCTION?
S3	1300099	COMPUTER? OR CPU OR CPUS OR CLIENT? OR TERMINAL? OR WORKST- ATION? OR WORK() STATION? OR DESKTOP? OR DESK() TOP? ?
S4	340542	ONLINE OR ON() LINE OR INTERNET? OR INTRANET? OR EXTRANET? - OR NETWORK? OR WEB OR LAN OR LANS OR WAN OR WANS OR WAIS
S5	338	S1(10N) S2 AND S3 AND S4
S6	253	S5 NOT AD=(19990101:20011106)/PR
S7	96	S6 NOT AD=(19960119:19981231)/PR
S8	5070	S1(5N) (S2 OR COMMAND?)
S9	335	S8 AND S3 AND S4
S10	223	S8 AND S3(10N) S4
S11	166	S10 NOT AD=(19990101:20011106)/PR
S12	71	S11 NOT AD=(19960119:19981231)/PR
S13	48	S12 AND (IC=G06F OR DC=T01)
S14	48	IDPAT S13 (sorted in duplicate/non-duplicate order)
S15	47	IDPAT S13 (primary/non-duplicate records only)
S16	1	AU=(FRESE V? AND (BLEVINS W? OR BLEVINS B?))
S17	1	S16 NOT S14
S18	13	AU=(FRESE V? OR BLEVINS W? OR BLEVINS B?)
S19	1	S18 AND (S1(10N) S2 AND (S3 OR S4))

15/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012804329 \*\*Image available\*\*

WPI Acc No: 1999-610559/199952

Related WPI Acc No: 1999-152121; 2000-542244; 2001-158027; 2001-353120

XRPX Acc No: N99-449875

**Passive stylus based power saving system in computer network**

Patent Assignee: PACKARD BELL NEC (PACB )

Inventor: CORTOPASSI M; GLADWIN S C; VOEGELI D W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5974558	A	19991026	US 94300500	A	19940902	199952 B
			US 95543510	A	19951016	

Priority Applications (No Type Date): US 95543510 A 19951016; US 94300500 A 19940902

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 5974558 A 107 G06F-001/26 CIP of application US 94300500

Abstract (Basic): US 5974558 A

NOVELTY - A charge pump enables the computer system to enter suspended state in response to a preset condition. A pen controller enables to activate the computer system from suspended state in response to touch by passive stylus on the digitizer. The charge pump senses the suspended state, to generate current leakage control signal to control shutdown signal in response to the two controllers.

DETAILED DESCRIPTION - A wireless interface device which includes a digitizer, communicates with remote host computer for controlling and accessing input programs using passive stylus. An INDEPENDENT CLAIM is also included for passive stylus based power saving mode operating method.

USE - For pen-based power saving computer system.

ADVANTAGE - Provides a system which goes into low-power state after a predetermined time period to preserve battery power, which can be easily activated from low-power state without need of switch. In the low-power state, minimal power is provided to digitizer panel for enabling the digitizer to sense contact by passive stylus. Reduces cost and cumbersome nature of computer system by not including switch.

DESCRIPTION OF DRAWING(S) - The figure shows state diagram illustrating the six internal power management states of wireless interface device.

pp; 107 DwgNo 5/66

Title Terms: PASSIVE; STYLUS; BASED; POWER; SAVE; SYSTEM; COMPUTER; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-001/26

File Segment: EPI

15/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012721024 \*\*Image available\*\*

WPI Acc No: 1999-527136/199944

XRPX Acc No: N99-390466

**Remote execution method of commands for networked computer system**

Patent Assignee: APPLE COMPUTER INC (APPY )

Inventor: GOCHEE J R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5953514	A	19990914	US 95553769	A	19951023	199944 B

Priority Applications (No Type Date): US 95553769 A 19951023

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 5953514 A 12 G06F-015/163

Abstract (Basic): US 5953514 A

NOVELTY - A working directory is set on a remote machine to formatted working directory, after which the command is executed to produce result. Result is scanned for presence of path names of format suitable for use on remote machine and path names are converted to the format of local machine. Then, certain texts within the result are reformatted and converted result is sent to a local machine.

DETAILED DESCRIPTION - The local machine requests **remote execution** of a **command** on **remote** machine, where both local and **remote** machines work on different **operating** systems. The **command** is sent on the working directory of local machine to remote machine where it is formatted to use on remote machine. INDEPENDENT CLAIMS are also included for the following:

- (a) system for **remote execution** of **commands** ;
- (b) **program** for **remote execution** of **commands**

USE - For computer programs, commands etc., that have to run on different **computers** in a **network**, working on different operating systems for e.g. UNIX, Windows etc.

ADVANTAGE - Synchronizes working directory on remote machine to working directory on local machine. **Commands** **operate** correctly on **remote** machine and return correct results to local machine. Commands performed remotely, is transparent to user and other software tools, which enables software development to be done faster while utilizing remote computing resources.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the **networked computer** system implementary **remote execution** method of **commands**.

pp; 12 DwgNo 1/4

Title Terms: REMOTE; EXECUTE; METHOD; COMMAND; COMPUTER; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-015/163

File Segment: EPI

15/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011662874 \*\*Image available\*\*

WPI Acc No: 1998-079783/199808

XRPX Acc No: N98-063824

**Information service system in network** - has process part provided in **personal** operation information server to perform **remote** operation of **terminal equipment** based on remote operation command

Patent Assignee: HITACHI LTD (HITA )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9081627	A	19970328	JP 95231034	A	19950908	199808 B

Priority Applications (No Type Date): JP 95231034 A 19950908

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 9081627 A 16 G06F-017/60

Abstract (Basic): JP 9081627 A

The system has an user terminal equipment (101) and a personal operated information server (117) which offers the service of the personnel. An automatic information server provides automatic service based on the service request received from the terminal equipment. The automatic information server is connected to the **terminal** equipment through a communication **network**. The two servers are arranged in a

centre.

The terminal equipment transmits a log to the personnel information server which receives and displays the log on a display device. The personnel server receives the **remote operation command** of the personnel and transmits it to the terminal equipment. A process unit is provided based on which (A) standalone service, (B) automatic service, (C) personnel service are offered.

ADVANTAGE - Prevents misoperation by not displaying unused menu.

Dwg.1/24

Title Terms: INFORMATION; SERVICE; SYSTEM; NETWORK; PROCESS; PART; PERSON;  
OPERATE; INFORMATION; SERVE; PERFORMANCE; REMOTE; OPERATE; TERMINAL;  
EQUIPMENT; BASED; REMOTE; OPERATE; COMMAND

Derwent Class: T01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06F-015/00

File Segment: EPI

15/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011345020 \*\*Image available\*\*

WPI Acc No: 1997-322925/199730

XRPX Acc No: N97-267263

**Computer system for manufacturing disc pack assemblies - receives set of master discs for particular software product and enters product details and images into two databases that are under control of master data input program**

Patent Assignee: MENDLESHAM LTD (MEND-N)

Inventor: CUMMINS A; NEARY M; RYAN E; RYAN K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
IE 71948	B	19970312	IE 94891	A	19941114	199730 B

Priority Applications (No Type Date): IE 94247 A 19940321

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
IE 71948	B	8	G06F-015/40	

Abstract (Basic): IE 71948 B

The system includes a master data input for entering images of the master discs into a first database and related product information into a second database. The product information includes address codes which define the location of each disc image in the first database. Work order means are used for extracting the address codes from the second database when it is desired to duplicate disc pack assemblies.

The address codes and the number of disc pack assemblies, to be duplicated are passed to a duplication station. The duplication station accesses the first database at the locations defined by the address codes, to read the disc images for use by a disc duplicating machine. Preferably the system includes several duplication stations, any of which is able to duplicate disc pack assemblies.

USE - E.g. for manufacturing disc pack assemblies for PC's, by reproduction of disc image information received on master discs. For **computer network** where index and image databases are stored in central host **computer** and master data input and work order **programs** are run at **remote** workstations.

Dwg.1/2

Title Terms: COMPUTER; SYSTEM; MANUFACTURE; DISC; PACK; ASSEMBLE; RECEIVE;  
SET; MASTER; DISC; SOFTWARE; PRODUCT; ENTER; PRODUCT; DETAIL; IMAGE; TWO;  
CONTROL; MASTER; DATA; INPUT; PROGRAM

Derwent Class: T01 ; T03

International Patent Class (Main): G06F-015/40

International Patent Class (Additional): G11B-005/012

File Segment: EPI



15/5/5 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011325265 \*\*Image available\*\*  
WPI Acc No: 1997-303169/199728  
XRPX Acc No: N97-250750

**Remote program change system for network apparatus - transmits system reset command and makes RAM to transfer control program in IC card for controlling network apparatus**

Patent Assignee: NIPPON DENKI IDO TSUSHIN KK (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9114671	A	19970502	JP 95270967	A	19951019	199728 B

Priority Applications (No Type Date): JP 95270967 A 19951019

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 9114671	A	6	G06F-009/445	

Abstract (Basic): JP 9114671 A

The system is installed in a network. A control program for controlling the network apparatus (1) is stored inside and communicates with a surveillance **control** apparatus (9) for **remote program** changing. The power supply is switched on for the **network** apparatus. A second CPU (6) stores the control program in a IC card (7) of RAM (4). A first CPU (2) performs the control program in ram and controls the **network** apparatus transmits the revised new system program to the network apparatus. An IC card write in command is transmitted for writing the new system program in the IC card during normally stored condition. A system reset command is transmitted when storing in inaccurate usual state. The RAM transfer the control program in the IC card controlling the network apparatus.

ADVANTAGE - Performs temporary implementation for increasing number of revision of control program.

Dwg.1/3

Title Terms: REMOTE; PROGRAM; CHANGE; SYSTEM; NETWORK; APPARATUS; TRANSMIT; SYSTEM; RESET; COMMAND; RAM; TRANSFER; CONTROL; PROGRAM; IC; CARD; CONTROL; NETWORK; APPARATUS

Derwent Class: T01

International Patent Class (Main): G06F-009/445

International Patent Class (Additional): G06F-013/00

File Segment: EPI

15/5/6 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011294388 \*\*Image available\*\*  
WPI Acc No: 1997-272293/199724  
XRPX Acc No: N97-225594

**Communications system allowing clients to subscriber to value added network - has several clients, value added network, public communications network, & direct dialup network, clients are allowed to selectively communicate with value added network via either direct or public communications networks**

Patent Assignee: STERLING COMMERCE INC (STER-N)

Inventor: HAFNER E A; ROHRER T H

Number of Countries: 073 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9716793	A1	19970509	WO 96US17456	A	19961101	199724 B
AU 9676009	A	19970522	AU 9676009	A	19961101	199739
NO 9801979	A	19980702	WO 96US17456	A	19961101	199836
			NO 981979	A	19980430	

EP 870252	A1	19981014	EP 96938695	A	19961101	199845
			WO 96US17456	A	19961101	
BR 9611143	A	19991228	BR 9611143	A	19961101	200018
			WO 96US17456	A	19961101	

Priority Applications (No Type Date): US 95552923 A 19951103

Cited Patents: 3.Jnl.Ref; US 5517622; US 5528757; US 5530852; US 5557780;  
US 5561769

#### Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9716793	A1	E	18	G06F-017/00	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ  
VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE  
LS LU MC MW NL OA PT SD SE SZ UG

BR 9611143	A		G06F-017/00	Based on patent WO 9716793
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AU 9676009	A		G06F-017/00	Based on patent WO 9716793
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EP 870252	A1	E	G06F-017/00	Based on patent WO 9716793
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Designated States (Regional): BE DK GB LU NL SE

NO 9801979	A		H04L-000/00	
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#### Abstract (Basic): WO 9716793 A

The system includes one or more **clients** (20), a value added **network** (90), a public communications **network** and a direct dialup **network** (70). The **clients** are allowed to selectively communicate with the value added **network** through either the direct network or the public communications network (60).

The value added network comprises multiple applications programs remotely accessed by one or more of the clients, and several servers linked through an Ethernet connection. The public communications network could be the Internet, and the dialup connection an X.25 **network**. Communication between the **client** and the value added **network** is in the form of point to point protocol.

USE - For allowing flexible access and multitasking capabilities to value added networks.

ADVANTAGE - Provides cost efficient, secure and flexible data exchange between clients and **applications** which they access on **remote** server, and allow clients to **operate** multiple sessions via single communications connection to server.

Dwg.1/3

Title Terms: COMMUNICATE; SYSTEM; ALLOW; CLIENT; SUBSCRIBER; VALUE; ADD; NETWORK; CLIENT; VALUE; ADD; NETWORK; PUBLIC; COMMUNICATE; NETWORK; DIRECT; NETWORK; CLIENT; ALLOW; SELECT; COMMUNICATE; VALUE; ADD; NETWORK; DIRECT; PUBLIC; COMMUNICATE; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-017/00 ; H04L-000/00

File Segment: EPI

15/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011245430 \*\*Image available\*\*

WPI Acc No: 1997-223333/199720

XRPX Acc No: N97-184766

DPS client type server for network - includes server management information hold unit that maintains management information of server which serves as responded message of server to message sent by client

Patent Assignee: TOSHIBA KK (TOKE )

Number of Countries: 001 Number of Patents: 001

#### Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9069081	A	19970311	JP 95223823	A	19950831	199720 B

Priority Applications (No Type Date): JP 95223823 A 19950831

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 9069081 A 7 G06F-015/16

Abstract (Basic): JP 9069081 A

The server includes a message interchange unit (11) that transmits and receives the message sent by a client. The message sent is stored and classified in a message queue unit (12) that is to be retrieved in a last in - first out order. The message contains service demand which is handed to a server.

A scenario information hold unit (16) holds an information scenario with procedure. A server management information hold unit (17) maintains the management information which is the responded message of the server to the client. A scenario interpretation execution unit (13) converts the produced message of server to a remote call based on a remote call unit (15). A server connection unit (14) is connected to both information hold unit and execution unit. The message is interchanged through the remote call unit with a remote call program.

ADVANTAGE - Offers ease of system and raised **operation** rate because of presence of **remote call program** in server.

Dwg.2/3

Title Terms: CLIENT; TYPE; SERVE; NETWORK; SERVE; MANAGEMENT; INFORMATION; HOLD; UNIT; MAINTAIN; MANAGEMENT; INFORMATION; SERVE; SERVE; RESPOND; MESSAGE; SERVE; MESSAGE; SEND; CLIENT

Derwent Class: T01 ; W01

International Patent Class (Main): G06F-015/16

International Patent Class (Additional): G06F-013/00 ; G06F-015/00

File Segment: EPI

15/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010676471 \*\*Image available\*\*

WPI Acc No: 1996-173425/199618

XRPX Acc No: N96-145676

**Distributing processing between limited mobile computer and one with more resources - executing first version of algorithm with mobile at user invoked application and remote computer executing second version concurrently with first**

Patent Assignee: AMERICAN TELEPHONE & TELEGRAPH CO (AMTT ); AT & T CORP (AMTT ); LUCENT TECHNOLOGIES INC (LUCE )

Inventor: HAAS Z

Number of Countries: 007 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 705014	A1	19960403	EP 95306476	A	19950914	199618 B
JP 8095911	A	19960412	JP 95262066	A	19950918	199625
CA 2155773	A	19960322	CA 2155773	A	19950810	199627
US 5598534	A	19970128	US 94309711	A	19940921	199710
CA 2155773	C	19991123	CA 2155773	A	19950810	200015

Priority Applications (No Type Date): US 94309711 A 19940921

Cited Patents: EP 351234; WO 9412938

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 705014 A1 E 9 H04L-029/06

Designated States (Regional): DE FR GB IT

CA 2155773 C E G06F-015/163

JP 8095911 A 9 G06F-015/00

US 5598534 A 9 G06F-015/00

CA 2155773 A G06F-015/163

Abstract (Basic): EP 705014 A

The process involves establishing wireless communications via base stations (18) and a packet switched digital **network** (17) for transferring information between the mobile **computer** (12) and the

remote computer (20). A first version of an algorithm is executed with the mobile to perform a function associated at a user invoked application to obtain a result.

A second version of the algorithm is **executed** by the **remote** computer concurrently with **executing** the first. The invoked **application** is supplied to the mobile. The mobile comprises a portable digital assistant. The remote **computer** comprises a **network** of **computers**.

USE/ADVANTAGE - Optimal delivery and utilisation of personal communication devices. Distributes processing load between mobile **computer** and remote accessible backbone **network** in wireless communication environment.

Dwg.1/4

Title Terms: DISTRIBUTE; PROCESS; LIMIT; MOBILE; COMPUTER; ONE; MORE; RESOURCE; EXECUTE; FIRST; VERSION; ALGORITHM; MOBILE; USER; INVOKE; APPLY ; REMOTE; COMPUTER; EXECUTE; SECOND; VERSION; CONCURRENT; FIRST

Derwent Class: T01 ; W01

International Patent Class (Main): G06F-015/00 ; G06F-015/163 ; H04L-029/06

International Patent Class (Additional): G06F-013/00 ; H04L-012/56

File Segment: EPI

15/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010621755

WPI Acc No: 1996-118708/199613

XRPX Acc No: N96-099277

**Co-operative working between computers with different operating systems - exchanges window image formats during transmission so each has display of other computers window on their screen**

Patent Assignee: SAT TELECOM SA (STLE )

Inventor: BONNOT L; PERRAUDEAU B; SANCEY J L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2723225	A1	19960202	FR 949466	A	19940729	199613 B

Priority Applications (No Type Date): FR 949466 A 19940729

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

FR 2723225 A1 21 G06F-015/173

Abstract (Basic): FR 2723225 A

The co-operative working system requires all involved **computers** to be connected to a communication **network**. A representation of the visual image of the screen of one computer is transmitted to the other, and then the screen image of the second computer is transmitted to the first. Each user then has an image of the other user's screen.

The storage capacities of the computers are exchanged to allow determination of a common intermediate format. The data is transformed from the format used by one computer to the format used by the other during transmission. Data structures used for windows is also translated during transmission so the image of the window and its menus is correctly displayed.

USE - Multiple use of same application on multiple computers with mix of Apple System 7 and Windows operating systems

ADVANTAGE - Allows simultaneous collaborative working on one **application** between **distant** computer users **running** a variety of operating systems.

Dwg.0/8

Title Terms: CO; OPERATE; WORK; COMPUTER; OPERATE; SYSTEM; EXCHANGE; WINDOW ; IMAGE; FORMAT; TRANSMISSION; SO; DISPLAY; COMPUTER; WINDOW; SCREEN

Index Terms/Additional Words: APPLE; WINDOWS; MICROCOMPUTERS

Derwent Class: T01

International Patent Class (Main): G06F-015/173

International Patent Class (Additional): G06F-013/38  
File Segment: EPI

15/5/10 (Item 10 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010619710 \*\*Image available\*\*  
WPI Acc No: 1996-116663/199612  
XRPX Acc No: N96-097614

**Distributed computer environment hardware-software monitoring system -  
has at local work station monitor routine for generating execute  
command to be sent to remote work station via communication device**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )  
Inventor: GLOWNY D A; KISTENMACHER J C; RAHN C M; THOMAS J C  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5491791	A	19960213	US 95372786	A	19950113	199612 B

Priority Applications (No Type Date): US 95372786 A 19950113

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5491791	A	14	G06F-011/00	

Abstract (Basic): US 5491791 A

The system includes a communication device at each work station of the number of work stations for communicating via the network with other work stations of the number of work stations . A diagnostic routine at the remote work station is provided for monitoring a configuration characteristic of the remote work station and for providing a report file.

The diagnostic routine is responsive to an execute command sent from the local work station to the remote work station via the communication device. A monitor device at the local work station is used for automatically and periodically, in accordance with a diagnostics schedule, generating the execute command. An analysis device at the local work station is provided for analysing the report file transferred from the remote work station to the local work station.

USE/ADVANTAGE - In information processing system. Provision for elimination of significant amount of manual effort otherwise required to run diagnosing tools and search through multiple work stations.

Dwg.1/6

Title Terms: DISTRIBUTE; COMPUTER; ENVIRONMENT; HARDWARE; SOFTWARE; MONITOR ; SYSTEM; LOCAL; WORK; STATION; MONITOR; ROUTINE; GENERATE; EXECUTE; COMMAND; SEND; REMOTE; WORK; STATION; COMMUNICATE; DEVICE

Index Terms/Additional Words: LOCAL; AREA; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-011/00

File Segment: EPI

15/5/11 (Item 11 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010611610 \*\*Image available\*\*  
WPI Acc No: 1996-108563/199612  
XRPX Acc No: N96-090823

**Remote command system for LAN - includes remote command execution  
module to address or link command transfer module through communication  
network**

Patent Assignee: FUJITSU LTD (FUIT )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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JP 7319833      A    19951208    JP 94110759      A    19940525    199612    B

Priority Applications (No Type Date): JP 94110759 A 19940525

Patent Details:

Patent No    Kind    Lan    Pg    Main    IPC    Filing    Notes  
JP 7319833      A              5    G06F-015/16

Abstract (Basic): JP 7319833 A

The remote **command** system has two or more remote **control execution** modules (5). First and second **computers** (1,2) are connected through a communication **network** (3). A command transfer module (4) is set up in the first computer. The **remote command execution** module is set up in the second computer.

The **remote command execution** module communicates with the **command** transfer module and requests for command information. After receiving the command information, it executes the command.

ADVANTAGE - Increases processing efficiency.

Dwg.1/3

Title Terms: REMOTE; COMMAND; SYSTEM; LAN; REMOTE; COMMAND; EXECUTE; MODULE  
; ADDRESS; LINK; COMMAND; TRANSFER; MODULE; THROUGH; COMMUNICATE; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-015/16

International Patent Class (Additional): G06F-013/00

File Segment: EPI

15/5/12      (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010433164      \*\*Image available\*\*

WPI Acc No: 1995-334484/199543

XRPX Acc No: N95-250727

**Network system for communication using image data or tone - has remote process controller which controls execution of target program when being accessed by other computer through input and output file**

Patent Assignee: SONY CORP (SONY )

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7231323	A	19950829	JP 9421506	A	19940218	199543    B

Priority Applications (No Type Date): JP 9421506 A 19940218

Patent Details:

Patent No    Kind    Lan    Pg    Main    IPC    Filing    Notes  
JP 7231323      A              9    H04L-012/40

Abstract (Basic): JP 7231323 A

The system has a **computer** (10) which is connected to a **network** line. A **CPU** controls each part on the **computer** according to a program counter. The data are entered or delivered between the **network** line and a bus line of the **computer** through an interface.

Through a **remote process controller** (RM), a target **program** (T1) is started from the other **computer** that is connected in the **network** line. It can be accessed by the other **computer** through an input and output file based on a table of a condition display file. Then, the execution of the target program is controlled.

ADVANTAGE - Improves processing efficiency through CPU. **Controls** TV receiver through **remote operation controller** . Simplifies development of **program** counter.

Dwg.9/9

Title Terms: NETWORK; SYSTEM; COMMUNICATE; IMAGE; DATA; TONE; REMOTE;  
PROCESS; CONTROL; CONTROL; EXECUTE; TARGET; PROGRAM; ACCESS; COMPUTER;  
THROUGH; INPUT; OUTPUT; FILE

Derwent Class: T01 ; W01

International Patent Class (Main): H04L-012/40

File Segment: EPI

15/5/13 (Item 13 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010427159 \*\*Image available\*\*  
WPI Acc No: 1995-328479/199542  
XRPX Acc No: N95-247219

Audio/video distribution to several local and/or remote stations - uses  
multimedia workstations with network and audio/visual software to  
allow A/V materials to be selectably distributed to multimedia  
workstations

Patent Assignee: APPLE COMPUTER INC (APPY )  
Inventor: BUTAH J D; DOYLE M T; GLASS S E  
Number of Countries: 060 Number of Patents: 004  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9524796	A1	19950914	WO 95US2017	A	19950215	199542 B
AU 9518461	A	19950925	AU 9518461	A	19950215	199601
EP 749661	A1	19961227	EP 95910291	A	19950215	199705
			WO 95US2017	A	19950215	
JP 9510065	W	19971007	JP 95523469	A	19950215	199750
			WO 95US2017	A	19950215	

Priority Applications (No Type Date): US 94207779 A 19940308  
Cited Patents: 3.Jnl.Ref; EP 263799; EP 279558; EP 329912; US 4715818; US  
4891633; US 4920432; US 5276866; US 5318450

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9524796	A1	E	60	H04N-007/10	
Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC MW NL OA PT SD SE SZ UG					
AU 9518461	A			H04N-007/10	Based on patent WO 9524796
EP 749661	A1	E	1	H04N-007/10	Based on patent WO 9524796
Designated States (Regional): DE FR GB					
JP 9510065	W		46	H04N-007/10	Based on patent WO 9524796

Abstract (Basic): WO 9524796 A

The appts for selectable audio/video delivery to at least one  
multimedia workstation has an A/V source for generating and modulating  
A/V material as a first stream of analog signals on a first frequency  
channel. An A/V network is coupled to the source for conveying the  
signals to the channel. A multimedia workstation receives the signals  
from the channel in response to a control command. The received signal  
stream is digitised in real time and rendered as video images and sound  
on the multimedia station.

A digital data **network** conveys the selectably provided **control  
commands** to the **workstation**. A **remote** A/V distribution **controller**  
has a second A/V control module for selectably providing the second  
A/V rendering control commands and placing them onto the digital data  
network.

USE/ADVANTAGE - **Computer** systems, A/V devices and **networking** .  
Simple system Does not put heavy burden on digital network.

Dwg.1A/7

Title Terms: AUDIO; VIDEO; DISTRIBUTE; LOCAL; REMOTE; STATION; NETWORK;  
AUDIO; VISUAL; SOFTWARE; ALLOW; MATERIAL; SELECT; DISTRIBUTE  
Derwent Class: P85; W01; W02; W03; W04  
International Patent Class (Main): H04N-007/10  
International Patent Class (Additional): G06F-017/00 ; G09B-005/08;  
G09B-005/14; H04N-007/173  
File Segment: EPI; EngPI

15/5/14 (Item 14 from file: 350)  
DIALOG(R)File 350:Derwent WPIX

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010421711 \*\*Image available\*\*

WPI Acc No: 1995-323031/199542

**Automatic program transmission computer network system - has program counter which sends program automatically to all machines connected in network**

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7200509	A	19950804	JP 93352750	A	19931228	199542 B

Priority Applications (No Type Date): JP 93352750 A 19931228

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 7200509	A	6	G06F-015/177	

Abstract (Basic): JP 7200509 A

The system includes a sending menu unit (11) which consists of a list of program counters for carrying out menu list of program counter from a master server (1). A master server is provided by a server (12) which calls the server sending unit (21) of each slave server (2). Similarly, client (13) is provided which calls the client sending unit (31) of each slave server.

The server sending unit sends the program counter to the slave server from the master server executing a copy command. A client sending unit sends the program counter to the subordinate client (3) from the master server or slave server of higher order **executing a remote copy command**.

ADVANTAGE - Requires less sending time of program to computer. Reduces burden to system administrator during control of program counter.

Dwg.1/9

Title Terms: AUTOMATIC; PROGRAM; TRANSMISSION; COMPUTER; NETWORK; SYSTEM; PROGRAM; COUNTER; SEND; PROGRAM; AUTOMATIC; MACHINE; CONNECT; NETWORK

Derwent Class: T01 ; W01

International Patent Class (Main): G06F-015/177

International Patent Class (Additional): G06F-009/445 ; G06F-013/00

File Segment: EPI

15/5/15 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010325268 \*\*Image available\*\*

WPI Acc No: 1995-226542/199530

XRPX Acc No: N95-177485

**Remote code execution method - executing client program on client node, requesting execution of server code and determining server node where server code will be executed and executing code in response to request to execute code**

Patent Assignee: MICROSOFT CORP (MICR-N)

Inventor: HELD A G; JUNG E; ZBILOWSKI M; ZBIKOWSKI M

Number of Countries: 006 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 660234	A2	19950628	EP 94118510	A	19941124	199530 B
CA 2136402	A	19950530	CA 2136402	A	19941122	199535
JP 7200449	A	19950804	JP 94293588	A	19941129	199540
EP 660234	A3	19950816	EP 94118510	A	19941124	199613
US 5699518	A	19971216	US 93158631	A	19931129	199805
EP 660234	B1	20000719	EP 94118510	A	19941124	200037
DE 69425318	E	20000824	DE 625318	A	19941124	200048
			EP 94118510	A	19941124	
CA 2136402	C	20010109	CA 2136402	A	19941122	200107



Priority Applications (No Type Date): US 93158631 A 19931129

Cited Patents: No-SR.Pub; 6.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 660234	A2	E	32	G06F-009/46	
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Designated States (Regional): DE FR GB

CA 2136402	A			G06F-009/44	
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JP 7200449	A		25	G06F-013/00	
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EP 660234	A3			G06F-009/46	
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US 5699518	A		29	G06F-013/00	
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EP 660234	B1	E		G06F-009/46	
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Designated States (Regional): DE FR GB

DE 69425318	E			G06F-009/46	Based on patent EP 660234
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CA 2136402	C	E		G06F-009/44	
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Abstract (Basic): EP 660234 A

The method for **executing** code **remotely** involves executing a **client program** on a **client** node which communicates with a **network**. The executing **client** program requests the execution of server code corresp to an object instance or object class instance with which the client program desires to communicate. In response to the client program request, the computer system determines a location where the server code will be executed.

The determination is made using a set of rules that arbitrate between location contexts specified by the corresp server program and a location context requested by the client program. Once the application location is determined, the client program forwards its request to the appropriate node, which requests execution of the requested server node.

USE/ADVANTAGE - Specifying execution of server code on **computer** system node without pre-configuring **network** and without **client** knowledge of specific location.

Dwg.1/7

Title Terms: REMOTE; CODE; EXECUTE; METHOD; EXECUTE; CLIENT; PROGRAM; CLIENT; NODE; REQUEST; EXECUTE; SERVE; CODE; DETERMINE; SERVE; NODE; SERVE; CODE; EXECUTE; EXECUTE; CODE; RESPOND; REQUEST; EXECUTE; CODE

Derwent Class: T01

International Patent Class (Main): G06F-009/44 ; G06F-009/46 ; G06F-013/00

International Patent Class (Additional): G06F-015/76

File Segment: EPI

15/5/16 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010305377 \*\*Image available\*\*

WPI Acc No: 1995-206637/199527

XRPX Acc No: N95-161942

Networked **remote** computer **software** installation method - involves **ensuring remote system can be reached** and has necessary resources to **support installation before sending data stream over network**

Patent Assignee: HEWLETT-PACKARD CO (HEWP )

Inventor: PLATT S M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5421009	A	19950530	US 93171498	A	19931222	199527 B

Priority Applications (No Type Date): US 93171498 A 19931222

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 5421009	A		13	G06F-013/00	
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Abstract (Basic): US 5421009 A

The method involves ensuring that the remote system can be reached through the network before installing the software. It is also ensured

that the remote system has the capability of **running** processes **remotely** , that the **remote** system has all the **commands** necessary to perform the installation, that the remote system has the correct hardware and software to support the installation and that sufficient disk space exists on the remote computer system for the installation.

The method then combines all files that are being remotely installed into a single data stream. The single data stream is sent over the **network** to the remote **computer** system and separated into the original files on the remote system.

ADVANTAGE - Allows user to interactively select each remote computer system for software installation. Provides file containing list of all remote computer systems. Avoids need for installing download program on client system prior to installation.

Dwg.8/8

Title Terms: REMOTE; COMPUTER; SOFTWARE; INSTALLATION; METHOD; ENSURE; REMOTE; SYSTEM; CAN; REACH; NECESSARY; RESOURCE; SUPPORT; INSTALLATION; SEND; DATA; STREAM; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-013/00

File Segment: EPI

15/5/17 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010292980 \*\*Image available\*\*

WPI Acc No: 1995-194240/199525

XRPX Acc No: N95-152440

Computer network with data back-up and restore system - has back-up and restore software modules including back-up engine including generic remote file system and agents for loading on computer network

Patent Assignee: ARCADE SOFTWARE (ARCA-N); SEAGATE TECHNOLOGY INC (SEAG-N)

Inventor: DEVOS S R; FLETCHER D J

Number of Countries: 020 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9513580	A1	19950518	WO 94US12915	A	19941109	199525 B
EP 728333	A1	19960828	WO 94US12915	A	19941109	199639
			EP 95901193	A	19941109	
JP 9509768	W	19970930	WO 94US12915	A	19941109	199749
			JP 95513981	A	19941109	
US 6038379	A	20000314	US 93150488	A	19931109	200020
			US 95541954	A	19951011	

Priority Applications (No Type Date): US 93150488 A 19931109; US 95541954 A 19951011

Cited Patents: 1.Jnl.Ref; US 5005122; US 5133065

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 9513580	A1	E	62	G06F-011/14
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Designated States (National): CA CN JP

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

US 6038379	A		G06F-013/00	Cont of application US 93150488
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EP 728333	A1	E	1	G06F-011/14	Based on patent WO 9513580
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Designated States (Regional): DE FR GB IT NL

JP 9509768	W		70	G06F-012/00	Based on patent WO 9513580
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Abstract (Basic): WO 9513580 A

The **computer** **network** includes a number of **workstations** running disparate operating systems and a file server having a tape driver for back-up and restore of data on the **network** . The file server **runs** generic **remote** file system (GRFS) and **workstations** **run** GRFS agent **programs** which allow the GRFS file system to access data within a workstation having a given GRFS agent program.

The GRFS file system interfaces with each GRFS agent program via a command/response paradigm, with the messages being structured to

support the disparate operating systems for back-up and restore, to allow data to be interchanged between the disparate operating systems, and to allow multiple users of the network to request simultaneously back-up and restore.

USE/ADVANTAGE - Protecting data through back-up and restore operations using restore software processed on **computer network**. Enables **computer network** to be expanded to support **computers** running major operating systems e.g DOS, Windows, OS/2, UNIX and Macintosh.

Dwg.2/5

Title Terms: COMPUTER; NETWORK; DATA; BACK; UP; RESTORATION; SYSTEM; BACK; UP; RESTORATION; SOFTWARE; MODULE; BACK; UP; ENGINE; REMOTE; FILE; SYSTEM; AGENT; LOAD; COMPUTER; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-011/14 ; G06F-012/00 ; G06F-013/00

International Patent Class (Additional): G06F-012/16 ; G06F-015/00 ; H04L-012/28

File Segment: EPI

15/5/18 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010057084 \*\*Image available\*\*

WPI Acc No: 1994-324795/199440

XRPX Acc No: N94-255067

**Intelligent local area network modem node - combines attributes of LAN node, intelligent operating personal computer and one or more modems constructed in dedicated fashion**

Patent Assignee: MULTI-TECH SYSTEMS INC (MULT-N)

Inventor: BHAT D; NGO H S; SUNDARRAJAN N

Number of Countries: 019 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5355365	A	19941011	US 9340931	A	19930331	199440 B
WO 9423515	A1	19941013	WO 94US3608	A	19940331	199441

Priority Applications (No Type Date): US 9340931 A 19930331

Cited Patents: 02Jnl.Ref

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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US 5355365	A	83	H04L-012/28	
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WO 9423515	A1	E 109	H04L-012/28	
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Designated States (National): CA JP

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Abstract (Basic): US 5355365 A

The node comprises at least one modem for connection to a remote **computer**. A **network** interface communicates as a node on the **LAN** using a level packet protocol. A main controller connected to the modem and connected to the network interface as a node on the LAN uses a second level packet protocol imbedded within the first to communicate with the selected **computer** attached as nodes on the **LAN**. The main controller further includes an inter-module software controller for controlling access to the modem by the selected **computer** attached as nodes on the **LAN** and by the remote **computer**.

A **remote control software** unit communicates with the **remote computer**. An **async server software** unit communicates with the selected one of a number of **computers** attached as a node on the **LAN**. The **async server software** unit further includes a unit for setting one flag when a connection between the at least one modem and the selected **computer** attached as a node on the **LAN** is established.

ADVANTAGE - Allows PC's on LAN to share modem resources for off-LAN communications and allows off-LAN PC's access to network resources without tying up any PC's on network.

Dwg.3/16

Title Terms: INTELLIGENCE; LOCAL; AREA; NETWORK; MODEM; NODE; COMBINATION;  
ATTRIBUTE; LAN; NODE; INTELLIGENCE; OPERATE; PERSON; COMPUTER; ONE; MORE;  
MODEM; CONSTRUCTION; DEDICATE; FASHION  
Derwent Class: T01 ; W01  
International Patent Class (Main): H04L-012/28  
International Patent Class (Additional): H04J-003/02; H04M-011/06  
File Segment: EPI

15/5/19 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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009887028 \*\*Image available\*\*  
WPI Acc No: 1994-166943/199420  
XRPX Acc No: N94-131488

**Providing alternative operational control of host processor from  
work-station - involves selectively inputting operational control  
command in console window and exercising control over host processor  
from remotely located work-station**

Patent Assignee: UNISYS CORP (BURS )  
Inventor: BARONE S T; FLADMOE G E; HEPBURN I R; VAVRA R D  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5315711	A	19940524	US 91786858	A	19911101	199420 B

Priority Applications (No Type Date): US 91786858 A 19911101

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5315711	A	48	G06F-015/02	

Abstract (Basic): US 5315711 A

The method involves controlling a number of host processors from either a single remote workstation or a plurality of remote workstations. The user interface and level of control at the remote workstation is identical to that which is available at the host processor operations console. Operator alerts appearing at the operations console are forwarded to the remote workstation for notifying the remote operator of alert conditions occurring at the operations console.

A computer serving as the operation console for the host processor is coupled to a communications **network** . Upon operator initiation, a **workstation** , also connected to the **network** , sends a message to the console requesting that a console window be started. After the console window is started on the workstation, the operations console duplicates its user interface at the remote workstation and the host processor connected to the console can be controlled from the workstation. This operation can be repeated for multiple host processors.

ADVANTAGE - Capable of operating host processor form several remote locations.

Dwg.9/37

Title Terms: ALTERNATIVE; OPERATE; CONTROL; HOST; PROCESSOR; WORK; STATION;  
SELECT; INPUT; OPERATE; CONTROL; COMMAND; CONSOLE; WINDOW; EXERCISE;  
CONTROL; HOST; PROCESSOR; REMOTE; LOCATE; WORK; STATION  
Derwent Class: T01  
International Patent Class (Main): G06F-015/02  
File Segment: EPI

15/5/20 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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009769229 \*\*Image available\*\*  
WPI Acc No: 1994-049080/199406  
XRPX Acc No: N94-038554

**Automatic control of airport signalling lights - provides complete system for controlling airport ground traffic by individually controlling airport lights through hierarchy of modules**

Patent Assignee: CAZZANI U (CAZZ-I); PAVAROTTI R (PAVA-I); C.ED.I CENT ELETTRODISTRIBUZIONE IND (CEDI-N)

Inventor: CAZZANI U; PAVAROTTI R

Number of Countries: 029 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9402919	A1	19940203	WO 93EP1920	A	19930720	199406 B
AU 9345713	A	19940214	AU 9345713	A	19930720	199425
			WO 93EP1920	A	19930720	
FI 9500291	A	19950123	WO 93EP1920	A	19930720	199516
			FI 95291	A	19950123	
EP 651904	A1	19950510	EP 93915963	A	19930720	199523
			WO 93EP1920	A	19930720	
IT 1256123	B	19951129	IT 92MI1773	A	19920722	199620
JP 8500929	W	19960130	WO 93EP1920	A	19930720	199642
			JP 94504157	A	19930720	
AU 673531	B	19961114	AU 9345713	A	19930720	199702
EP 651904	B1	19970611	EP 93915963	A	19930720	199728
			WO 93EP1920	A	19930720	
US 5644304	A	19970701	WO 93EP1920	A	19930720	199732
			US 95373305	A	19950119	
DE 69311555	E	19970717	DE 611555	A	19930720	199734
			EP 93915963	A	19930720	
			WO 93EP1920	A	19930720	
ES 2105294	T3	19971016	EP 93915963	A	19930720	199748

Priority Applications (No Type Date): IT 92MI1773 A 19920722

Cited Patents: 02Jnl.Ref; EP 330164; JP 2033893; US 4449073; WO 9004242

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 9402919	A1	E 48	G08C-005/00	
Designated States (National): AU BR CA FI HU JP KR NO NZ PL RU US				
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE				
AU 9345713	A		H05B-039/00	Based on patent WO 9402919
EP 651904	A1	E 48	G08G-005/00	Based on patent WO 9402919
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE				
JP 8500929	W	41	H05B-037/02	Based on patent WO 9402919
AU 673531	B		G08G-005/00	Previous Publ. patent AU 9345713
Based on patent WO 9402919				
EP 651904	B1	E 26	G08G-005/00	Based on patent WO 9402919
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE				
US 5644304	A	21	B64F-001/18	Based on patent WO 9402919
DE 69311555	E		G08G-005/00	Based on patent EP 651904
Based on patent WO 9402919				
ES 2105294	T3		G08G-005/00	Based on patent EP 651904
FI 9500291	A		G08C-000/00	
IT 1256123	B		F21Q-000/00	

Abstract (Basic): WO 9402919 A

The system includes a computer of a size and processing power proportional to the size of the airport and the applied programs used, which is connected by a full duplex transmission network to a number of main stations (SP). Each main station contains several main modules. The main modules are electronic devices which incorporate function programs, controlling several remote modules (RM). The remote modules are electronic devices with incorporated programs which check and act on single airport lights (3).

The control system is physically distinct from the work circuit feeding the lights and galvanically separate from them. Lights may be switched on and off individually.

USE/ADVANTAGE - For airport signalling or lamps for road lighting. Reliable system. Provides indication of working condition of lights.

Self-diagnostic system activates alarms if necessary.

Dwg.1/14

Title Terms: AUTOMATIC; CONTROL; AIRPORT; SIGNAL; LIGHT; COMPLETE; SYSTEM;  
CONTROL; AIRPORT; GROUND; TRAFFIC; INDIVIDUAL; CONTROL; AIRPORT; LIGHT;  
THROUGH; HIERARCHY; MODULE

Derwent Class: Q25; Q71; T01 ; W06; X26

International Patent Class (Main): B64F-001/18; F21Q-000/00; G08C-000/00;  
G08C-005/00; G08G-005/00; H05B-037/02; H05B-039/00

International Patent Class (Additional): G08B-005/00; G08G-005/06;  
H05B-039/04

File Segment: EPI; EngPI

15/5/21 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009727911 \*\*Image available\*\*

WPI Acc No: 1994-007761/199401

XRPX Acc No: N94-006272

**Distributed applications processing network - uses handle to call tasks  
running on remote computer from local task running on local computer**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: DUSCHER R; GARGYA T; KURTH G

Number of Countries: 018 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9325962	A1	19931223	WO 92EP1382	A	19920618	199401 B
CA 2098418	A	19931219	CA 2098418	A	19930615	199410
EP 646260	A1	19950405	EP 92913203	A	19920618	199518
			WO 92EP1382	A	19920618	
IL 105568	A	19960119	IL 105568	A	19930430	199616
JP 8502841	W	19960326	WO 92EP1382	A	19920618	199644
			JP 94501047	A	19920618	
US 5606493	A	19970225	WO 92EP1382	A	19920618	199714
			US 95356394	A	19950113	
EP 646260	B1	19970528	EP 92913203	A	19920618	199726
			WO 92EP1382	A	19920618	
DE 69220093	E	19970703	DE 620093	A	19920618	199732
			EP 92913203	A	19920618	
			WO 92EP1382	A	19920618	
CA 2098418	C	19980901	CA 2098418	A	19930615	199845

Priority Applications (No Type Date): WO 92EP1382 A 19920618

Cited Patents: 3.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9325962	A1	E	42	G06F-009/46	
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Designated States (National): JP US

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU MC NL SE

EP 646260	A1	E	42	G06F-009/46	Based on patent WO 9325962
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Designated States (Regional): DE FR GB

JP 8502841	W		39	G06F-015/00	Based on patent WO 9325962
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US 5606493	A		16	G05B-015/00	Based on patent WO 9325962
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EP 646260	B1	E	21	G06F-009/46	Based on patent WO 9325962
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Designated States (Regional): DE FR GB

DE 69220093	E			G06F-009/46	Based on patent EP 646260
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Based on patent WO 9325962

CA 2098418	A			G06F-015/16	
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IL 105568	A			G06F-009/46	
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CA 2098418	C			G06F-015/16	
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Abstract (Basic): WO 9325962 A

A system is provided in which a local task (415) running on a local computer (400) can use a remote task (430) running on a remote computer (405). The local task establishes a conversation between a local data transmission agent (410) in the local computer and a remote data transmission agent (420) in the remote computer.

A handle is assigned to the conversation between the local computer and the remote computer. The local task uses the handle to call tasks running on the remote computer. Data is passed between the local task and the local data transmission agent by the use of a shared memory buffer.

ADVANTAGE - Provides an improved system for running tasks on one computer requested by tasks on another computer.

Dwg.4/10

Title Terms: DISTRIBUTE; APPLY; PROCESS; NETWORK; HANDLE; CALL; TASK; RUN; REMOTE; COMPUTER; LOCAL; TASK; RUN; LOCAL; COMPUTER

Index Terms/Additional Words: SNA; System; Network; Architecture

Derwent Class: T01

International Patent Class (Main): G05B-015/00; G06F-009/46 ; G06F-015/00 ; G06F-015/16

International Patent Class (Additional): G06F-013/00 ; H01J-013/00

File Segment: EPI

15/5/22 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009098098

WPI Acc No: 1992-225530/199227

XRPX Acc No: N92-171378

**Terminal security aid for software - detects departure of work-station operator and invokes user configurable security reminders and/or system locks in response**

Patent Assignee: ANONYMOUS (ANON )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
TP 69201	A	19920625	TP 9269201	A	19920620	199227 B

Priority Applications (No Type Date): TP 9269201 A 19920620

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
TP 69201	A		G06F	

Abstract (Basic): TP 69201 A

The system has three components: an operator sensor, a work station interface and a software support package. The latter runs on a background process on the protected work station collecting data from and controlling the operator sensor via the work station interface. One implementation of the operator sensor employs inexpensive ultrasonic ranging technology, similar to the type found in auto focus cameras and electronic tape measures, to locate the operator. In this implementation, the **software** obtains a baseline **distance** to the **operator** during keyboard use, then inhibits the ranging function.

When the keyboard becomes quiescent, the ranging function is reactivated and logic is executed to determine if the operator is vacating the work station. Once the process determines that the operator is departing, the user configurable security reminders and/or system locks may include: an audible tone to remind the operator to secure the system; invocation of a password protected keyboard lockup; a time-delayed log-off of host, **network** and application session or a simple but effective **work station** re-boot.

Title Terms: TERMINAL; SECURE; AID; SOFTWARE; DETECT; DEPART; WORK; STATION ; OPERATE; USER; CONFIGURATION; SECURE; SYSTEM; LOCK; RESPOND

Derwent Class: T01

International Patent Class (Main): G06F-013/00

File Segment: EPI

15/5/23 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008988905      \*\*Image available\*\*

WPI Acc No: 1992-116173/199215

XRPX Acc No: N92-086877

**BIOS loading appts. for personal computer system - loads basic I-O system from remote memory storage location where BIOS maintained apart from LAN station**

Patent Assignee: IBM CORP (IBMC ); INT BUSINESS MACHINES CORP (IBMC )

Inventor: DAYAN R A; SACHSENMAI R; YEN S Y; SACHSENMAIER R

Number of Countries: 004    Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 479427	A	19920408	EP 91307971	A	19910830	199215    B
US 5230052	A	19930720	US 90590749	A	19901001	199330
EP 479427	A3	19920923	EP 91307971	A	19910830	199339

Priority Applications (No Type Date): US 90590749 A 19901001

Cited Patents: No-SR.Pub; 1.Jnl.Ref; EP 358292

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 479427	A	12		
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Designated States (Regional): DE FR GB

US 5230052	A	11	G06F-013/10
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Abstract (Basic): EP 479427 A

The computer appts. has a system processor (15), a non-volatile memory (21) and a volatile memory. The processor requires the loading of an interface program (BIOS) to control the movement of data into and out of the processor. The non-volatile memory has insufficient capacity to store the program but has executable code to execute energisation of the appts., the issuance of a request for transfer into the volatile memory of the **program** from a **remote** location and the transfer of **control** of the appts. to the interface code when loaded into the volatile memory.

A link (41) establishes communication between the volatile memory (19) and the non-volatile storage of the remote computer and transfer of the interface code to the volatile memory.

**ADVANTAGE** - Provides PC adapted for use as economical **work station** in local area **network** environment.

Title Terms: LOAD; APPARATUS; PERSON; COMPUTER; SYSTEM; LOAD; BASIC; I-O;

SYSTEM; REMOTE; MEMORY; STORAGE; LOCATE; APART; LAN; STATION; MAINTAIN

Index Terms/Additional Words: LOCAL; AREA; **NETWORK** ; BASIC; INPUT; OUTPUT; SYSTEM

Derwent Class: R27; T01

International Patent Class (Main): G06F-013/10

International Patent Class (Additional): G06F-009/44

File Segment: EPI

15/5/24      (Item 24 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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008954369      \*\*Image available\*\*

WPI Acc No: 1992-081638/199211

XRPX Acc No: N92-061259

**Problem analysis of node computer - using third computer to control first program remotely obtain information relating to problem correctable at first computer**

Patent Assignee: IBM CORP (IBMC ); INT BUSINESS MACHINES CORP (IBMC )

Inventor: DERR A G; POLIQUIN R J

Number of Countries: 004    Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 474058	A	19920311	EP 91114144	A	19910821	199211    B
US 5179695	A	19930112	US 90578042	A	19900904	199305
EP 474058	A3	19930421	EP 91114144	A	19910821	199401

Priority Applications (No Type Date): US 90578042 A 19900904



Cited Patents: No-SR.Pub; 3.Jnl.Ref; EP 333620; FR 2575847; US 4654852

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 474058	A		27		
Designated States (Regional): DE FR GB					
US 5179695	A		16	G06F-011/00	

Abstract (Basic): EP 474058 A

The **network** comprises a first program which runs on a second **computer** and analyses a problem with the first computer. A second program also runs on the second computer and generates an alert for transmission to the third computer. The alert includes a probable cause category encompassing the problem and a recommendation. The recommendation is to contact a service engineer if the problem requires expertise or resources of the service engineer to connect.

A third **program** runs on the third computer and **remotely controls** the first **program** to obtain the additional information relating to the cause of the problem if there is a reasonable chance that the problem can be connected by a person at the first computer.

ADVANTAGE- Permits operator at central site to have full benefit of resources at mode to solve problem.

Dwg. 1/5

Title Terms: PROBLEM; ANALYSE; NODE; COMPUTER; THIRD; COMPUTER; CONTROL; FIRST; PROGRAM; REMOTE; OBTAIN; INFORMATION; RELATED; PROBLEM; CORRECT; FIRST; COMPUTER

Derwent Class: R27; T01

International Patent Class (Main): G06F-011/00

File Segment: EPI

15/5/25 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008939220 \*\*Image available\*\*

WPI Acc No: 1992-066489/199209

XRPX Acc No: N92-049932

**Class data base for use in data processing network - has entry containing reference to invocation command, message information specifying class instance operation and identifiable class data**

Patent Assignee: DIGITAL EQUIP CORP (DIGI )

Inventor: EWALD A N; RENZULLO M J; WILSON A P; JACOBSON N F; TRAVIS R L

Number of Countries: 008 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 472279	A	19920226	EP 91306172	A	19910708	199209 B
CA 2049133	A	19920215				199218
AU 9179309	A	19920514	AU 9179309	A	19910626	199228
AU 638138	B	19930617	AU 9179309	A	19910626	199330
EP 472279	A3	19930113	EP 91306172	A	19910708	199346
US 5280610	A	19940118	US 90567298	A	19900814	199404
EP 472279	B1	19950816	EP 91306172	A	19910708	199537
DE 69112156	E	19950921	DE 612156	A	19910708	199543
			EP 91306172	A	19910708	
CA 2049133	C	19980825	CA 2049133	A	19910813	199845

Priority Applications (No Type Date): US 90567298 A 19900814

Cited Patents: NoSR.Pub; 5.Jnl.Ref; EP 471442; EP 474339; EP 474340

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 472279	A		65		

Designated States (Regional): DE FR GB IT NL

AU 638138 B Previous Publ. patent AU 9179309

EP 472279 A3 65

US 5280610 A 40 G06F-015/40

EP 472279 B1 E 46 G06F-009/44

Designated States (Regional): DE FR GB IT NL

DE 69112156 E G06F-009/44 Based on patent EP 472279

AU 9179309      A            G06F-015/40  
CA 2049133      C            G06F-009/44

Abstract (Basic): EP 472279 A

The data base includes method entries each of which contains a reference to a corresponding invocation command to invoke one of the applications and message entries which contain information for a number of messages each of which specifies the types of operations which can be performed on instances in the corresponding class. The database also includes class entries each of which contains information for a different, uniquely-identifiable class and an identification of a corresponding group of the message entries.

Each of the message entries contains a corresponding group of the method entries.

USE/ADVANTAGE - Reduced resource requirement and enhanced flexibility. Remote invocation of application is efficient and simple.

Dwg.1/18

Title Terms: CLASS; DATA; BASE; DATA; PROCESS; NETWORK; ENTER; CONTAIN;  
REFERENCE; COMMAND; MESSAGE; INFORMATION; SPECIFIED; CLASS; INSTANCE;  
OPERATE; IDENTIFY; CLASS; DATA

Derwent Class: T01

International Patent Class (Main): G06F-009/44 ; G06F-015/40

International Patent Class (Additional): G06F-012/00

File Segment: EPI

15/5/26            (Item 26 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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008569681        \*\*Image available\*\*

WPI Acc No: 1991-073716/199110

XRPX Acc No: N91-056979

Work station and data processing network - involves local and  
remote applications with surrogate application run on work station  
when remote application is selected

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ); IBM CORP (IBMC )

Inventor: HALLIWELL H

Number of Countries: 013 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9102305	A	19910221				199110	B
EP 437441	A	19910724	EP 89909034	A	19890803	199130	
JP 3504173	W	19910912	JP 89508495	A	19890803	199143	
US 5276883	A	19940104	WO 89GB883	A	19890803	199402	
			US 91678296	A	19910402		
EP 437441	B1	19970618	EP 89909034	A	19890803	199729	
			WO 89GB883	A	19890803		
DE 68928136	E	19970724	DE 628136	A	19890803	199735	
			EP 89909034	A	19890803		
			WO 89GB883	A	19890803		
SG 46199	A1	19980220	SG 96473	A	19890803	199821	N

Priority Applications (No Type Date): WO 89GB883 A 19890803; SG 96473 A 19890803

Cited Patents: 3.Jnl.Ref; EP 273248

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9102305	A		9		

Designated States (National): JP US

Designated States (Regional): AT BE CH DE FR GB IT LU NL SE

EP 437441      A

Designated States (Regional): DE FR GB

US 5276883      A            7 G06F-009/44      Based on patent WO 9102305

EP 437441      B1 E      29 G06F-003/033      Based on patent WO 9102305

Designated States (Regional): DE FR GB

DE 68928136      E            G06F-003/033      Based on patent EP 437441

Based on patent WO 9102305

Abstract (Basic): WO 9102305 A

The work station (2) has a local processor for running local applications and a communication link (4) to link the work station (2) to at least one remote processor. The work station (2) has an application selection mode that displays both local and remote applications simultaneously.

A remote application may be selection from the work station (2) which causes a surrogate application (14) to run on the local processor. The surrogate application (14) establishes communication with the remote processor via the communication link (4). The **remote application manager** (22) runs the approp. mainframe application (20). Data flow is maintained directly across the communications link (4) without further need of the surrogate application (14).

USE/ADVANTAGE - In work station and remote computers with data processing **networks** . Provides a simple to use system where the user does not need to be aware of whether an **application** is run locally or **remotely** . Both local and remote **applications** are selected from a single application selection mode.

Dwg.3/3

Title Terms: WORK; STATION; DATA; PROCESS; NETWORK; LOCAL; REMOTE; APPLY; SURROGATE; APPLY; RUN; WORK; STATION; REMOTE; APPLY; SELECT

Derwent Class: T01 ; W01

International Patent Class (Main): G06F-003/033 ; G06F-009/44

International Patent Class (Additional): G06F-003/03 ; G06F-013/00 ; G06F-015/16

File Segment: EPI

15/5/27 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008463377 \*\*Image available\*\*

WPI Acc No: 1990-350377/199047

XRPX Acc No: N90-267637

**Remote execution of database transactions by PC's - links PC without direct access storage to PC with direct access storage, using network and communications software**

Patent Assignee: IBM CORP (IBM C )

Inventor: COPENHAVER D; HORN G R; JEFFRIES L M

Number of Countries: 003 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 398641	A	19901122	EP 90305214	A	19900515	199047 B
EP 398641	A3	19921230	EP 90305214	A	19900515	199345

Priority Applications (No Type Date): US 89352079 A 19890515

Cited Patents: NoSR.Pub; 2.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 398641	A				
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Designated States (Regional): DE FR GB

Abstract (Basic): EP 398641 A

At least one personal computer without a direct access storage device is linked to a personal computer having a direct access storage device (28) and access to a selected database. **Network** and communications software installed on the personal **computer** has direction access storage devices and is then utilised to remotely access storage devices which is linked thereto.\$ Next, a single copy of database server software code is installed on the personal computer having direct access storage devices and a catalog is created and stored which identifies selected personal computers without direct access storage devices which may access the database server software code. File redirection is then utilised to permit selected personal computers without direct access storage devices to **remotely execute** the database server **software** code so that database transactions may

be remotely executed.\$ USE/ADVANTAGE - The method and data processing network permits the remote execution of database transactions by one or more personal computers without a direct access storage device (30).

Dwg.3/3

Title Terms: REMOTE; EXECUTE; DATABASE; TRANSACTION; LINK; DIRECT; ACCESS; STORAGE; DIRECT; ACCESS; STORAGE; NETWORK; COMMUNICATE; SOFTWARE

Derwent Class: T01

International Patent Class (Additional): G06F-015/40

File Segment: EPI

15/5/28 (Item 28 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008463376 \*\*Image available\*\*

WPI Acc No: 1990-350376/199047

XRPX Acc No: N90-267636

**Remote application interface for computer network - provides user interface on local node and application to be run on remote node**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ); IBM CORP (IBMC )

Inventor: DEVANY E P; GARRISON J R; JACOBS D C; JORDAN L E

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 398640	A	19901122	EP 90305213	A	19900515	199047 B
US 5179660	A	19930112	US 89352082	A	19890515	199305
EP 398640	A3	19921230	EP 90305213	A	19900515	199345
EP 398640	B1	19970423	EP 90305213	A	19900515	199721
DE 69030524	E	19970528	DE 630524	A	19900515	199727
			EP 90305213	A	19900515	

Priority Applications (No Type Date): US 89352082 A 19890515

Cited Patents: NoSR.Pub; 3.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 398640	A				
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Designated States (Regional): DE FR GB

US 5179660	A		8	G06F-013/14	
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EP 398640	B1 E	10	G06F-017/30		
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Designated States (Regional): DE FR GB

DE 69030524	E		G06F-017/30	Based on patent EP 398640	
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Abstract (Basic): EP 398640, A

The system provides a user interface (10) on a local node and an **application** (34) to be **run** on a **remote** node. An **application** (14, 30) accepts input from the user and translates it to appropriate commands for the remote application and is divided, and located partially on the local node and partially on the remote node.

That portion located on the local node (14) gathers any information required from the user and transmits it to the portion located on the remote node (30) in a single package. The remote location portion uses the transmitted information to interface with the remote application and obtain results. The results are collected and transmitted to the local portion, from which they are returned to the user.

USE - For use on a **computer network** . (10pp Dwg.No.1/4)

Title Terms: REMOTE; APPLY; INTERFACE; COMPUTER; NETWORK; USER; INTERFACE; LOCAL; NODE; APPLY; RUN; REMOTE; NODE

Derwent Class: T01

International Patent Class (Main): G06F-013/14 ; G06F-017/30

International Patent Class (Additional): G06F-015/40

File Segment: EPI

15/5/29 (Item 29 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008381109      **\*\*Image available\*\***

WPI Acc No: 1990-268110/199035

XRPX Acc No: N90-207465

**System for shared remote access of multiple application programs - server computer provides on LAN one or more videograms representing all video data in memory of computer**

Patent Assignee: CARO M A (CARO-I)

Inventor: CARO M A

Number of Countries: 001    Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4949248	A	19900814	US 88220024	A	19880715	199035    B

Priority Applications (No Type Date): US 88220024 A 19880715

Abstract (Basic): US 4949248 A

A local area network based system for shared **remote** access or **control of applications programs** in one or more computers by one or more other components is provided having particular utility for trading rooms of securities firms, where each operator position is permitted the capability to access any of a number of information services. Information services each of which communicates with a personal-computer-based video source running an applications program specific to that information service, are represented on a local-area network as nodes called servers. Each server runs the application program, unmodified, together with other terminate-and-stay resident software which periodically broadcasts a video message, the content of which is the change of the application program display screen contents since the time of the last broadcast.

The sender of the broadcast does not watch for the acknowledgements from recipients, which are other nodes on the **network** called **clients**, nor does the sender maintain a list of intended recipients. If a recipient misses a video message broadcast, it may request that the sender broadcast the contents of the entire display screen contents.

ADVANTAGE - Can accommodate wide variety of disparate computers.

Dwg.3/3

Title Terms: SYSTEM; SHARE; REMOTE; ACCESS; MULTIPLE; APPLY; PROGRAM; SERVE ; COMPUTER; LAN; ONE; MORE; REPRESENT; VIDEO; DATA; MEMORY; COMPUTER

Derwent Class: T01 ; W01

International Patent Class (Additional): G06F-013/00

File Segment: EPI

15/5/30      (Item 30 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008236780      **\*\*Image available\*\***

WPI Acc No: 1990-123781/199016

XRPX Acc No: N90-095980

**Remote traffic intersection controller monitoring - communicating in both directions with central computer via public telephone network when events or malfunctions are detected**

Patent Assignee: ECONOLITE CONTROL PROD INC (ECON-N); ECONOLITE CONTROL (ECON-N)

Inventor: DUNCAN G; MICHAEL J; ZWICKY H

Number of Countries: 002    Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4907160	A	19900306	US 88206905	A	19880610	199016    B
CA 1298898	C	19920414	CA 526961	A	19870108	199224

Priority Applications (No Type Date): US 86817480 A 19860109; US 88206905 A 19880610

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CA 1298898	C		G06F-015/48	

Abstract (Basic): US 4907160 A

A central computer is connected through the public telephone system to intersection monitors, one of which is located at each remote intersection. The remote intersection monitor supervises the operation of the intersection controllers and related equipment and, upon detecting the malfunctions of a preselected priority, reports such malfunctions by placing calls through the public telephone system to the central computer.

The central computer, by placing a call on the telephone system, also interrogates each of the **remote** intersection monitors and transfers **operating instructions** to each monitor. Vehicle and pedestrian detectors also are monitored by each remote intersection monitor and unusual activity or inactivity such detectors is reported by the remote intersection monitor to the central computer.

ADVANTAGE - Dedicated communication system is not required.

Dwg.1/33

Title Terms: REMOTE; TRAFFIC; INTERSECT; CONTROL; MONITOR; COMMUNICATE; DIRECTION; CENTRAL; COMPUTER; PUBLIC; TELEPHONE; NETWORK; EVENT; MALFUNCTION; DETECT

Derwent Class: T07

International Patent Class (Main): G06F-015/48

File Segment: EPI

15/5/31 (Item 31 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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008076059 \*\*Image available\*\*

WPI Acc No: 1989-341171/198947

XRPX Acc No: N89-259809

Network terminal driver communication subsystem - includes applications software, network terminal driver and service provider controlling data

Patent Assignee: BULL HN INFORMATION SYSTEMS INC (HONE )

Inventor: BAILEY C R M; MANDILE J R; PETERS D G; STONIER J W

Number of Countries: 007 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 342320	A	19891123	EP 89103644	A	19890302	198947 B
AU 8931603	A	19891123				199011
US 4951245	A	19900821	US 88196597	A	19880520	199036
EP 342320	A3	19920520	EP 89103644	A	19890302	199331
CA 1325483	C	19931221	CA 598149	A	19890428	199406
EP 342320	B1	19950118	EP 89103644	A	19890302	199507
DE 68920628	E	19950302	DE 620628	A	19890302	199514
			EP 89103644	A	19890302	

Priority Applications (No Type Date): US 88196597 A 19880520

Cited Patents: No-SR.Pub; 1.Jnl.Ref; EP 118037; EP 336547

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 342320	A	E	21		
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Designated States (Regional): DE FR GB IT

EP 342320	B1	E	22	G06F-009/46	
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Designated States (Regional): DE FR GB IT

DE 68920628	E		G06F-009/46	Based on patent EP 342320	
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CA 1325483	C		G06F-009/46		
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Abstract (Basic): EP 342320 A

A **network terminal** driver subsystem which includes applications software, the actual **network terminal** driver and a lower layer service provider. The software initiates actions to cause the communications subsystem to perform specific functions to accomplish a specified job. The subsystem includes the **terminals**, printers and users. The **network terminal** driver includes application modules, provider modules and device profiles, all with a number of common kernels.

The application modules interface with their applications software to support the various modes of operation. The kernel includes a number of common components which interact with the application modules, the provider modules and the device profiles to execute the application software requests. The kernels take the requests and process them to give second requests and these are processed by the application modules and kernels to give third requests.

ADVANTAGE - Easy to modify for different applications. (21pp  
Dwg.No.2/5

Title Terms: NETWORK; TERMINAL; DRIVE; COMMUNICATE; SUBSYSTEM; APPLY;  
SOFTWARE; NETWORK; TERMINAL; DRIVE; SERVICE; CONTROL; DATA

Derwent Class: T01

International Patent Class (Main): G06F-009/46

International Patent Class (Additional): G06F-003/00 ; G06F-013/10 ;  
G06F-015/16

File Segment: EPI

15/5/32 (Item 32 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007928667

WPI Acc No: 1989-193779/198927

XRFX Acc No: N89-148218

**Control system for machine at remote place - sends contents of program  
change to computer at main station from remote station**

Patent Assignee: MURATA KIKAI KK (MURK )

Inventor: AKIYAMA Y

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3842467	A	19890629	DE 3842467	A	19881216	198927 B
JP 1160158	A	19890623	JP 87317478	A	19871217	198931
US 5012402	A	19910430	US 88285508	A	19881216	199119
IT 1224818	B	19901024	IT 8848658	A	19881215	199223
DE 3842467	C	19920611	DE 3842467	A	19881216	199224

Priority Applications (No Type Date): JP 87317478 A 19871217

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 3842467	A	4		
DE 3842467	C	4	H04M-011/06	
IT 1224818	B		G01S	

Abstract (Basic): DE 3842467 A

When repairs need doing and/or a mechanical part needs replacing at the remote station and in the case of a change in a program for a control device to operate and control the device, the contents of the change in the executed program are sent to a **computer** at a main station via the public switched telephone **network** and there checked and/or changed at the main station so that a correct program is obtained. The correct **program** is sent to the **control** device at the **remote** station via the public switched telephone network and entered into the control device.

1/1

Title Terms: CONTROL; SYSTEM; MACHINE; REMOTE; PLACE; SEND; CONTENT;  
PROGRAM; CHANGE; COMPUTER; MAIN; STATION; REMOTE; STATION

Derwent Class: T06; W01; W05

International Patent Class (Main): G01S-011/00; H04M-011/06

International Patent Class (Additional): G05B-015/02; G05B-019/02;  
G05B-023/02; G06F-015/46 ; H04Q-009/08

File Segment: EPI

15/5/33 (Item 33 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007396212     \*\*Image available\*\*

WPI Acc No: 1988-030147/198805

XRPX Acc No: N88-022567

**Multiple CPU program management method for networking - comparing remote computer request with program matrix and list of currently running programs and accessed data files to grant access**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC ); IBM CORP (IBMC )

Inventor: CROSSLEY J F

Number of Countries: 006    Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 254854	A	19880203	EP 87108645	A	19870616	198805    B
BR 8703308	A	19880315				198816
US 4780821	A	19881025	US 86890389	A	19860729	198845
EP 254854	B1	19940302	EP 87108645	A	19870616	199409
DE 3789175	G	19940407	DE 3789175	A	19870616	199415
			EP 87108645	A	19870616	

Priority Applications (No Type Date): US 86890389 A 19860729

Cited Patents: 2.Jnl.Ref; A3...9019; EP 136666; GB 2062914; No-SR.Pub

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 254854	A	E 20		
Designated States (Regional): DE FR GB IT				
US 4780821	A	18		
EP 254854	B1	E 20	G06F-009/46	
Designated States (Regional): DE FR GB IT				
DE 3789175	G		G06F-009/46	Based on patent EP 254854

Abstract (Basic): EP 254854 A

The multi-program management method comprises the steps of converting a data management request originating at the server computer or one of the remote computers into a file shaving and record locking protocol request message. This message is then transmitted to the server computer which determines whether the request message is to be granted. A program matrix is established with entries indicating whether a program can be run while another program or group of programs are being run on the network.

A list of programs is maintained which are currently being run on the network and data files currently being accessed or otherwise not available for access. The program matrix and list are then checked to see if the request message poses a conflict with a currently running program.

ADVANTAGE - Allows program transfer without re-writing source code.

Title Terms: MULTIPLE; CPU; PROGRAM; MANAGEMENT; METHOD; COMPARE; REMOTE; COMPUTER; REQUEST; PROGRAM; MATRIX; LIST; CURRENT; RUN; PROGRAM; ACCESS; DATA; FILE; ACCESS

Derwent Class: T01

International Patent Class (Main): G06F-009/46

International Patent Class (Additional): G06F-009/44 ; G06F-013/42 ; G06F-015/16

File Segment: EPI

15/5/34     (Item 34 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007095387

WPI Acc No: 1987-095384/198714

XRPX Acc No: N87-071681

**Communication control apparatus for computer network - allows versions of control program to be transferred to local station if the one in remote station is different**

Patent Assignee: TOSHIBA KK (TOKE )

Inventor: TAMARU K



Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 217351	A	19870408	EP 86113403	A	19860930	198714 B
JP 62076954	A	19870409	JP 85216840	A	19850930	198720
US 4788637	A	19881129	US 86912516	A	19860929	198850
EP 217351	B	19911121				199147
DE 3682558	G	19920102				199202

Priority Applications (No Type Date): JP 85216840 A 19850930

Cited Patents: A3...8923; EP 73698; No-SR.Pub; WO 8301847

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 217351	A	E	13		
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Designated States (Regional): DE FR GB

US 4788637	A		9		
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EP 217351	B				
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Designated States (Regional): DE FR GB

Abstract (Basic): EP 217351 A

The communication control apparatus comprises a rewritable storage unit in which a communication program is stored. A comparison unit determines whether or not a version number of communication control program in a packet accepted by the transmit-receive circuit is newer than that of the communication control program stored in the storage unit.

A controller performs communication between the local station and a **remote** station using a communication **control program** of the latest version compatible on the basis of an output of the comparison unit.

ADVANTAGE - Permits good communication even when new station with new version of communication control program is added.

1/9

Title Terms: COMMUNICATE; CONTROL; APPARATUS; COMPUTER; NETWORK; ALLOW; VERSION; CONTROL; PROGRAM; TRANSFER; LOCAL; STATION; ONE; REMOTE; STATION

Derwent Class: **T01**

International Patent Class (Additional): **G06F-009/06 ; G06F-013/42 ;**

**G06F-015/16 ; H04J-003/24; H04L-013/00**

File Segment: EPI

15/5/35 (Item 35 from file: 347)

DIALOG(R) File 347: JAPIO

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05412140 \*\*Image available\*\*

DISTRIBUTED SYSTEM CONSTRUCTION METHOD

PUB. NO.: 09-026940 [JP 9026940 A]

PUBLISHED: January 28, 1997 (19970128)

INVENTOR(s): IMAI ISAO

NAKAKAWAJI TETSUO

APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 07-174850 [JP 95174850]

FILED: July 11, 1995 (19950711)

INTL CLASS: [6] **G06F-015/16 ; G06F-015/163**

JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a method for performing system generation and fault recovery with consistency in a distributed system for performing execution among plural **computer** systems connected on a **network** .

SOLUTION: This system is constituted of a means 107 for checking the consistency of definition information among plural systems, the means 902 for generating an activation command string for activating processes distributed in the plural systems altogether, the means 903 for instructing

process activation to a remote system based on the activation command string, the means for confirming the operations of the processes of the respective systems, the means for checking process operation conditions after a fault on a remote system, the means for generating a recovery command string for stopping a remaining process and reactivating the process and the means for instructing the stoppage and the reactivation of the process based on the command string.

15/5/36 (Item 36 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05182268 \*\*Image available\*\*  
REMOTE DISTRIBUTION MANAGEMENT NETWORK SYSTEM

PUB. NO.: 08-137768 [JP 8137768 A]  
PUBLISHED: May 31, 1996 (19960531)  
INVENTOR(s): FUJISHIRO TAKAHIRO  
TEZUKA SATORU  
TAKENOUCHI HIROO  
SAKON MASAMI  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 06-277397 [JP 94277397]  
FILED: November 11, 1994 (19941111)  
INTL CLASS: [6] G06F-013/00 ; G06F-013/00 ; G06F-009/445  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.1  
(INFORMATION PROCESSING -- Arithmetic Sequence Units)

#### ABSTRACT

PURPOSE: To manage the license of software from a remote place in addition to management work at the time of **operating software** from a **remote** place by connecting a remote device issuing the distribution instruction of software against a **client** device to a file server device with a **network** system.

CONSTITUTION: The distribution of software which is stored in a storage device as a software management data base 104 and which exists in the file server device 102 based on the content of the software management data base 104 is indicated to respective devices. The distribution situation of software to the respective client devices 105 is recognized from a distribution management device. The respective client devices 105 and the file server device 102 are connected to the network system through a **network** cable 107. The distribution instruction of software against the respective **client** devices 105 is issued from the remote device 101 to the file server device 102 so as to manage the licence.

15/5/37 (Item 37 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05089085 \*\*Image available\*\*  
COMPUTER CONTROL SYSTEM

PUB. NO.: 08-044585 [JP 8044585 A]  
PUBLISHED: February 16, 1996 (19960216)  
INVENTOR(s): UN KUII CHII  
NAKABASHI AKIBUMI  
KOBAYASHI HIROSHI  
NISHIYAMA SHUJI  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
HITACHI PROCESS COMPUT ENG INC [485525] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 06-176431 [JP 94176431]  
FILED: July 28, 1994 (19940728)

INTL CLASS: [6] G06F-011/22

JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)

#### ABSTRACT

PURPOSE: To restore a computer in a remote place from the fault due to runaway or a program by operating the program or the **computer** connected to a **network** in the level according with the degree of urgency of the start.

CONSTITUTION: When a command is started from a terminal 1-2 in urgent operation procedures, command processing procedures are started from the command acceptance waiting state and perform the processing corresponding to the inputted command. When an operation mode switching request is issued from the terminal 1-2, the processing starts a mode switching means 2-1 and transfers the **operation** mode classification. When the **remote command** is started, the processing starts a remote command transmission means 5-1 and transfers the command name and the command parameter of the remote command. In the other cases, a command in a local computer is started. After the end of execution, the execution result is received and is displayed on the terminal 1-2.

15/5/38 (Item 38 from file: 347)

DIALOG(R)File 347:JAPIO

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04933124 \*\*Image available\*\*

SYSTEM AND METHOD FOR **REMOVEDLY** AND AUTOMATICALLY **UPDATING SOFTWARE**

PUB. NO.: 07-225724 [JP 7225724 A]

PUBLISHED: August 22, 1995 (19950822)

INVENTOR(s): TAKADA HIROSHI

APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 06-014710 [JP 9414710]

FILED: February 08, 1994 (19940208)

INTL CLASS: [6] G06F-013/00 ; G06F-009/06 ; G06F-009/445

JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)

#### ABSTRACT

PURPOSE: To speedily and suitably distribute and present software, which is prepared and updated by software presenter, to a lot of software users.

CONSTITUTION: When object softwares 1a of user computers 1-1 to 1-n are activated, it is detected by a client program 1b, and the information of the present edition is referred to a server program 3a of a presenter's **computer** 3 through a **network** 2. When the server program 3a receives the information, it is compared with the configuration of a software library 3b, and the updating instruction information the object software 1a and an updated edition software are returned. While using the information, the client program 1b automatically updates the object software 1a into the latest edition. On the other hand, this system can be also provided with a function for activating the client program 1b at a set time or automatically transmitting the fault/bugging information of the object software to the client program 1b.

15/5/39 (Item 39 from file: 347)

DIALOG(R)File 347:JAPIO

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04693341 \*\*Image available\*\*

**REMOTE APPLICATION EXECUTING SYSTEM**

PUB. NO.: 07-013941 [JP 7013941 A]

PUBLISHED: January 17, 1995 (19950117)

INVENTOR(s): KAGAWA KOICHI

APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 05-158366 [JP 93158366]  
FILED: June 29, 1993 (19930629)  
INTL CLASS: [6] G06F-015/16 ; G06F-015/00  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

ABSTRACT

PURPOSE: To reduce the application information quantity of another computer and application information exchange quantity with another computer, included in the respective computers on a net work.

CONSTITUTION: This system is configured in such a way that, when the execution request of an application on another computer is issued from the applications AP(sub 11) and AP(sub 12) or a terminal equipment 5 which are operated in the computer 1, an application information control part 11 checks whether the application information of the application which is indicated by the request exists or not on a cache 12, transmits the execution request of the application to another computer via the network 4 based on application information on the cache 12 when it exists and executes the down-load of the application information from another computer so as to update the cache 12 when not exist and transmits the execution request of the application to another computer based on the application information.

15/5/40 (Item 40 from file: 347)

DIALOG(R)File 347:JAPIO  
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04332808 \*\*Image available\*\*  
NETWORK SYSTEM

PUB. NO.: 05-324508 [JP 5324508 A]  
PUBLISHED: December 07, 1993 (19931207)  
INVENTOR(s): ABE HITOSHI  
YAMASHITA ICHIRO  
APPLICANT(s): FUJI XEROX CO LTD [359761] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 02-400490 [JP 90400490]  
FILED: December 05, 1990 (19901205)  
INTL CLASS: [5] G06F-013/00 ; G06F-015/40  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 1709, Vol. 18, No. 153, Pg. 102, March 14, 1994 (19940314)

ABSTRACT

PURPOSE: To extend the object of software to be executed to all of work stations by automatically retrieving a software execution form file from each of work stations connected to a network to execute it.

CONSTITUTION: Work stations A to C connected to a network 20 have local disks, and display devices, mice, etc., are connected to them. When command execution is requested, a command is searched in the search path in the local work station. If it is not found there, a broadcast packet for search is transmitted to the whole of the network. When its existence in the network is found by return of the response, a machine holding this command is caused to execute the command by remote execution. If it is not found, the processing is terminated as 'command not found'.

15/5/41 (Item 41 from file: 347)

DIALOG(R)File 347:JAPIO  
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04218807 \*\*Image available\*\*  
REMOTE MAINTENANCE SYSTEM OF MULTI-HOST SYSTEM

PUB. NO.: 05-210507 [JP 5210507 A]  
PUBLISHED: August 20, 1993 (19930820)  
INVENTOR(s): INAI JUN  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 04-015833 [JP 9215833]  
FILED: January 31, 1992 (19920131)  
INTL CLASS: [5] G06F-009/445 ; G06F-015/16  
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);  
45.4 (INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 1652, Vol. 17, No. 650, Pg. 35,  
December 02, 1993 (19931202)

#### ABSTRACT

PURPOSE: To control and maintain the registered software of a work station of the multi-host system by decentralizing it, transaction by transaction.

CONSTITUTION: The multi-host system is provided with plural host computers 40 and the **remote** maintenance system 20 which **controls** and maintains the **software** of work **stations** 43 operating while connected by a **network** with version matching commands from the host **computers** 40. Further, the system is provided with a host address table 51 wherein the addresses of the host **computers** 40 in the **network** are recorded and a matching starting function 52 which requests the host computers 40 to issue the version matching commands in order according to the host address table 51, thereby controlling and maintaining the software of the work stations connected to the host computers.

15/5/42 (Item 42 from file: 347)

DIALOG(R)File 347:JAPIO

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03957259 \*\*Image available\*\*

PROGRAM REMOTE EXECUTION SYSTEM

PUB. NO.: 04-322359 [JP 4322359 A]  
PUBLISHED: November 12, 1992 (19921112)  
INVENTOR(s): ITO AKINORI  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 03-090943 [JP 9190943]  
FILED: April 23, 1991 (19910423)  
INTL CLASS: [5] G06F-015/16  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 1511, Vol. 17, No. 157, Pg. 78, March  
26, 1993 (19930326)

#### ABSTRACT

PURPOSE: To execute a program even on a computer which has not required resources by eliminating a need to preliminarily transfer a required file to the execution computer.

CONSTITUTION: A request source computer 1, an execution computer 2, and a resource holding **computer** 3 are connected by a local area **network** 4, and a program storage file 5 and a required resource primary storage area 6 are connected to the execution computer 2, and a resource 7 required for program execution like a data file or a library exists in the resource holding computer 3. The resource like a data file, a program file, or a subroutine library required for program execution is transferred to the execution computer after reception of the request of remote execution, and remote execution is performed.

15/5/43 (Item 43 from file: 347)

DIALOG(R)File 347:JAPIO

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03878328      \*\*Image available\*\*  
AUTOMATIC REMOTE CONTROL SOFTWARE MAINTENANCE SYSTEM

PUB. NO.: 04-243428 [JP 4243428 A]  
PUBLISHED: August 31, 1992 (19920831)  
INVENTOR(s): KOMATSU KEIZO  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 03-004138 [JP 914138]  
FILED: January 18, 1991 (19910118)  
INTL CLASS: [5] G06F-009/445 ; G06F-009/06 ; G06F-013/00  
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);  
45.2 (INFORMATION PROCESSING -- Memory Units)  
JOURNAL: Section: P, Section No. 1468, Vol. 17, No. 16, Pg. 104,  
January 12, 1993 (19930112)

#### ABSTRACT

PURPOSE: To perform software maintenance without requiring special attention of a terminal operator even in the remote control software maintenance of terminal software for a large scale on line system.  
CONSTITUTION: The system consists of a keyboard 1 inputting a host connection request from the terminal operator, a screen display part 2 displaying the contents of the input, a terminal controller 11 which incorporates a host connection control part 3 connecting the terminal controller 11 with a host computer 12, a software maintenance control part 4 receiving and storing the software and a software storage part 5 storing the software, and the host computer which incorporates a terminal connection control part 6 controlling the connection with the terminal controller 11, a remote software maintenance control part 7 managing the software storage part 5, and a software and management table storage part 8 storing the current software and its state.

15/5/44 (Item 44 from file: 347)  
DIALOG(R) File 347:JAPIO  
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03543645      \*\*Image available\*\*  
COMPUTER SYSTEM

PUB. NO.: 03-206545 [JP 3206545 A]  
PUBLISHED: September 09, 1991 (19910909)  
INVENTOR(s): ITO AKINORI  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 02-000970 [JP 90970]  
FILED: January 09, 1990 (19900109)  
INTL CLASS: [5] G06F-015/16  
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 1284, Vol. 15, No. 480, Pg. 65,  
December 05, 1991 (19911205)

#### ABSTRACT

PURPOSE: To reduce the erroneous selection of an execution computer by deciding this execution computer based on the information on the resources given from a group of resources holding computers after the remote execution of a program is accepted by a requester computer and requesting the execution computer to perform the remote execution of the program .

CONSTITUTION: A requester computer 1 is provided together with the resources holding computers 2 and 3, and a local area network 4 which secures the connection between the computer 1 and the computers 2 and 3 respectively. The computer 1 accepts a remote execution request of a program via a request acceptance means 11 and inquires the information on the resources of the groups 2 and 3. Thus the computer 1 decides a working computer based on the acquired information and asks the decided computer to

perform the **remote execution** of the **program** . Thus it is possible to reduce the erroneous selection of the execution computer and to prevent the increase of the turn-around time.

**15/5/45** (Item 45 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03467957 \*\*Image available\*\*  
PROCESSING SYSTEM **REMOTE CONTROL OF PROGRAM**

PUB. NO.: 03-130857 [JP 3130857 A]  
PUBLISHED: June 04, 1991 (19910604)  
INVENTOR(s): RYU TADAMITSU  
GAMO MINEO  
KURODA HIROAKI  
TANIDA TOSHITSUGU  
WATANABE HISAKI  
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 01-270049 [JP 89270049]  
FILED: October 17, 1989 (19891017)  
INTL CLASS: [5] **G06F-013/00**  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)  
JOURNAL: Section: P, Section No. 1246, Vol. 15, No. 347, Pg. 38,  
September 03, 1991 (19910903)

#### ABSTRACT

PURPOSE: To reduce the load of each terminal and to effectively secure the resources and protect the secrecy by completing the open program information via a network controller and at the same time checking the competency of a user.

CONSTITUTION: A network controller 3 has at least a function to control the open program information and a function to check the competency of the terminals 1A and 1B which have accesses to an open program. Then the controller 3 is linked to a communication **network** 2, and the **terminals** 1A and 1B to have accesses to the open program are introduced to the controller 3. Thus it is possible to control the information on the programs opened by the terminals 1A and 1B and to facilitate the check of the competency of both terminals 1A and 1B which have accesses to an open program.

**15/5/46** (Item 46 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2001 JPO & JAPIO. All rts. reserv.

02974259 \*\*Image available\*\*  
NETWORK OPERATING SYSTEM

PUB. NO.: 01-271859 [JP 1271859 A]  
PUBLISHED: October 30, 1989 (19891030)  
INVENTOR(s): UCHIDA AKIRA  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 63-100838 [JP 88100838]  
FILED: April 22, 1988 (19880422)  
INTL CLASS: [4] **G06F-013/00 ; G06F-015/16**  
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.4  
(INFORMATION PROCESSING -- Computer Applications)  
JOURNAL: Section: P, Section No. 994, Vol. 14, No. 35, Pg. 134,  
January 23, 1990 (19900123)

#### ABSTRACT

PURPOSE: To set up a data link with no production of systems and no change of a transaction program by displaying a list of designated information on

the electronic computer systems of the remote side for communication of data and making a user select those information out of the list.

CONSTITUTION: A system A sets up a data link to perform the communication of the with another system B, C or D in a data communication **network** of electronic **computer** systems A-D. A **network** operating system NOS displays a list of designated information on the systems of the remote side for communication of data on a work station WS. Thus the users select these information out of the list for communication of data. As a result, it is possible to set up a data link to perform the communication of data with the system of the **remote** side without **actuating** a system production **program** for change of the system production nor changing a transaction program.

15/5/47 (Item 47 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2001 JPO & JAPIO. All rts. reserv.

01237649 \*\*Image available\*\*  
PROGRAM UPDATE SYSTEM

PUB. NO.: 58-175049 [JP 58175049 A]  
PUBLISHED: October 14, 1983 (19831014)  
INVENTOR(s): YUI TAKAYUKI  
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 57-057807 [JP 8257807]  
FILED: April 07, 1982 (19820407)  
INTL CLASS: [3] G06F-003/04 ; G06F-009/06  
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 45.1  
(INFORMATION PROCESSING -- Arithmetic Sequence Units)  
JOURNAL: Section: P, Section No. 249, Vol. 08, No. 14, Pg. 153,  
January 21, 1984 (19840121)

#### ABSTRACT

PURPOSE: To save the cost and time for correcting job, by changing and correcting a **program** of a stored **program control** system at a **remote** location via a telephone exchange **network** from a data **terminal** .  
CONSTITUTION: MODEMs 350-35n modulate and demodulate data transmitted/received with a data **terminal** 1 via the said telephone exchange **network** 2, and line memories 300-30n buffer the said transmitted and received data. A main storage device 33 consists of a bus 31, a program controller 32, a buffer section 330 buffering data transmitted among the line memories 300-30n via a memory bus 34, and a program memory area 331 storing a program specifying the operating means of an SPC telephone exchange system 3. The program controller 32 processes the analysis of transfer data among the said line memories 300-30n and the main storage device 33, the transfer control and the program update control of a program update section 332.



17/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2001 Derwent Info Ltd. All rts. reserv.

012597661 \*\*Image available\*\*  
WPI Acc No: 1999-403767/199934  
XRPX Acc No: N99-300859

**Remote access system for application program in computer network**

Patent Assignee: TRIDIA CORP (TRID-N)

Inventor: BLEVINS W B ; FRESE V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5909545	A	19990601	US 96589136	A	19960119	199934 B

Priority Applications (No Type Date): US 96589136 A 19960119

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5909545	A	13	G06F-015/136	

Abstract (Basic): US 5909545 A

NOVELTY - Application program on a computer (12) is interfaced by an input-output protocol (22). A client (16) is communicated by an input-output protocol (24). Conversion between remote control protocol and input-output protocol (24) is done by a remote display module (18) which is transferred from computer (12) to client (16), for remotely accessing program in computer (12).

DETAILED DESCRIPTION - Conversion between this input protocol and remote control protocol is done by an application interception module. An INDEPENDENT CLAIM is also included for method for providing on-demand remote control of application program.

USE - For domestic and business application.

ADVANTAGE - User need not install additional software for remote control of application program, instead user browses internet and selects application program in RCSP site. User is offered with access and control over application program so that user tries out program features.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of system used for remotely access application program.

Computers (12,16)

Remote display module (18)

Input-output stream protocol (22,24)

pp; 13 DwgNo 1/4

Title Terms: REMOTE; ACCESS; SYSTEM; APPLY; PROGRAM; COMPUTER; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-015/136

File Segment: EPI

?

File 348:EUROPEAN PATENTS 1978-2001/Oct W04

(c) 2001 European Patent Office

File 349:PCT FULLTEXT 1983-2001/UB=20011101,UT=20011025

(c) 2001 WIPO/Univention

Set	Items	Description
S1	61405	(REMOTE? OR DISTANCE OR DISTANT? OR TELE) (5N) (EXECUT? OR C- ONTROL? OR ACCESS??? OR RUN? ? OR RUNNING OR ACTUAT? OR ACTIV- AT? OR OPERAT? OR SHUTDOWN? OR SHUT????()DOWN OR CLOSE? OR CL- OSING OR UPDAT???) OR TELECONTROL?
S2	1695759	PROGRAM? ? OR PROGRAMME OR PROGRAMMES OR APPLICATION? OR S- OFTWARE OR INSTRUCTION?
S3	365694	COMPUTER? OR CPU OR CPUS OR CLIENT? OR TERMINAL? OR WORKST- ATION? OR WORK()STATION? OR DESKTOP? OR DESK()TOP? ?
S4	217124	ONLINE OR ON()LINE OR INTERNET? OR INTRANET? OR EXTRANET? - OR NETWORK? OR WEB OR LAN OR LANS OR WAN OR WANS OR WAIS
S5	552	S1(5N)S2(S)S3(5N)S4
S6	324	S5 AND IC=G06F
S7	166	S6 NOT AD=(19990101:20011108)/PR
S8	57	S7 NOT AD=(19960117:19981231)/PR
S9	57	IDPAT S8 (sorted in duplicate/non-duplicate order)
S10	49	IDPAT S8 (primary/non-duplicate records only)
S11	0	AU=(FRESE VINCENT? AND (BLEVINS, W? OR BLEVINS BRIAN?))
S12	0	AU=(FRESE VINCENT? OR BLEVINS, W? OR BLEVINS BRIAN?)

10/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01300286

A server module and a distributed server based internet access scheme and method of operating the same

Servermodul und Internetzugangssystem basiert auf verteilten Server und Verwaltungsverfahren

Module de serveur et systeme d' acces a internet a base de serveurs distribues et procede de gestion

PATENT ASSIGNEE:

Advanced Communication Research, (2927410), Les Cardoulines B2, 1360  
Route des Dolines, 06560 Sophia Antipolis, (FR), (Applicant designated States: all)

INVENTOR:

Dujardin, Serge, St. Truidersteenweg 178, 3500 Hasselt, (BE)  
Pari, Jean-Christophe, Villa Samaria, 571 chemin de la Lauve, 83700  
Saint-Raphael, (FR)

LEGAL REPRESENTATIVE:

Bird, William Edward et al (62355), Bird Goen & Co., Vilvoordsebaan 92,  
3020 Winksele, (BE)

PATENT (CC, No, Kind, Date): EP 1113646 A1 010704 (Basic)

APPLICATION (CC, No, Date): EP 99204623 991231;

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04L-029/06; G06F-013/40 ; G06F-009/46 ;  
H04L-012/24

ABSTRACT WORD COUNT: 134

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200127	741
SPEC A	(English)	200127	7677
Total word count - document A			8418
Total word count - document B			0
Total word count - documents A + B			8418

...INTERNATIONAL PATENT CLASS: G06F-013/40 ...

...G06F-009/46

...SPECIFICATION through a hierarchical SNMP managed platform 16 in an operations centre 10. Preferably, application servers (e.g. for providing applications for e-Shops, E-Mail intranet servers, e-Game servers, Computer Based Training packages) are card mounted and are insertable as required in a standard chassis, for instance a plurality of chassis' can be installed in a standard 19" cabinet. The applications running on the servers 20 are preferably provisioned remotely . The application server module 20 runs server software to provide a certain service, e.g. a homepage of an e-merchant. The person who makes use of the server module 20 to offer...

10/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01291377

System and method for managing the configuration of hierarchically networked data processing devices

System und Verfahren zum Verwalten der Konfiguration von Datenverarbeitungsvorrichtungen in einem hierarchischen Netz

Systeme et methode de gestion de configuration des elements d'un reseau  
hierarchique

PATENT ASSIGNEE:

Hewlett-Packard Company, A Delaware Corporation, (3016020), 3000 Hanover  
Street, Palo Alto, CA 94304, (US), (Applicant designated States: all)

INVENTOR:

Mayer, Jurgen, Beethovenstrasse 3, 71083 Herrenberg, (DE)

LEGAL REPRESENTATIVE:

Lippich, Wolfgang, Dipl.-Pys., Dr.rer.nat. (76571), Patentanwalt Samson &  
Partner, Widenmayerstrasse 5, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1107108 A1 010613 (Basic)

APPLICATION (CC, No, Date): EP 99124507 991209;

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-009/00 ; H04L-012/24

ABSTRACT WORD COUNT: 154

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200124	1090
SPEC A	(English)	200124	6059
Total word count - document A			7149
Total word count - document B			0
Total word count - documents A + B			7149

INTERNATIONAL PATENT CLASS: G06F-009/00 ...

...SPECIFICATION operating system on a client computer within the network  
that has become inoperative.

WO 99/10808 further discloses an agent discovery service which enables  
a **client** to discover remote agents, a **network** management service  
which allows for communication with remote agents, a file transfer  
service which enables to transfer files to and from remote computers, and  
a remote **execution** service in order to **remotely** initiate local  
**execution** of **applications** on a client. The process of transferring  
files from a client to a server is initiated by creating a request at the  
client and sending...

...itself, a temporary upload file is created. Updating of an operating  
system is basically provided by a remote execution service which is used  
to initiate **remote execution** of an **application**, as well as  
**remotely** initiating a local **execution** of an **application** on a  
client's site. The remote execution service particularly checks for the  
presence of an executable file described in a data field and, if...

10/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01280487

Transparent access to remote devices

Transparenter Zugang zu entfernten Geraten

Acces transparent aux dispositifs a distance

PATENT ASSIGNEE:

MOTOROLA SEMICONDUCTEURS S.A., (1169430), Centre Electronique de Toulouse  
Avenue General Eisenhower, 31023 Toulouse Cedex, (FR), (Applicant  
designated States: all)

INVENTOR:

Abdesselem, Ouelid, 8 rue Mage, 31000 Toulouse, (FR)

LEGAL REPRESENTATIVE:

Kopacz, William James (52901), 83, Avenue Foch, 75116 Paris, (FR)

PATENT (CC, No, Kind, Date): EP 1100282 A1 010516 (Basic)

APPLICATION (CC, No, Date): EP 99402743 991104;

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04Q-007/32; **G06F-009/445**

ABSTRACT WORD COUNT: 151

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200120	451
SPEC A	(English)	200120	1580
Total word count - document A			2031
Total word count - document B			0
Total word count - documents A + B			2031

...INTERNATIONAL PATENT CLASS: **G06F-009/445**

...SPECIFICATION network, in this case over the air to a cellular telephone network 12. In other embodiments, the remote device may be, for example, a laptop **computer** connected to a landline telephone **network** or to the **internet**. A server 14 comprising a **computer** system, perhaps maintained by the manufacturer of the remote devices (or its service representative), and containing **software updates** for the **remote** devices is accessible through the network 12. The term updates as used herein is meant to include modifications to the software of the remote device...

10/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01234627

Method and system for optimizing the network path of mobile programs

Verfahren und System zur Optimierung des Netzwerkpades von mobilen Programmen

Methode et systeme por l'optimisation du chemin de programmes mobiles dans un reseau

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (Applicant designated States: all)

INVENTOR:

Barillau, franck, 10430 Morado Circle, No apt. 1925, Austin, Texas 78759, (US)

LEGAL REPRESENTATIVE:

de Pena, Alain (15151), Compagnie IBM France Departement de Propriete Intellectuelle, 06610 La Gaude, (FR)

PATENT (CC, No, Kind, Date): EP 1069737 A1 010117 (Basic)

APPLICATION (CC, No, Date): EP 99480064 990713;

DESIGNATED STATES: DE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04L-012/56; **G06F-009/46** ; H04L-029/06;

H04L-012/24

ABSTRACT WORD COUNT: 136

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200103	508
SPEC A	(English)	200103	3045
Total word count - document A			3553
Total word count - document B			0
Total word count - documents A + B			3553

...INTERNATIONAL PATENT CLASS: G06F-009/46

...SPECIFICATION the network of an independent program having to execute itself on a list designated nodes of the network.

#### BACKGROUND OF THE INVENTION

The network management **applications**, operating on a **network** management **workstations**, **remotely control** the various **network** components. More and more network management applications become system management applications by providing services to the network components such as handling of statistic collection, maintenance...

...when they were remotely performed. With the current solution of prior art, each network component served by the system manager stores a copy of service **programs** which the **execution** is **remotely** started from the system manager work station. This solution is costly because the network components have not always the storage capacity for all the programs... the system manager workstation communicating with the mobile program currently installed in a network element. This communication could be any kind of communication protocol between **applications**, allowing to **run remote** commands from the system manager station on a network element such as CORBA (Common Object Request Broker) or RMI (Remote Method Invocation). This protocol is...

...result to the system management station. The process used by a network element to obtain the information is any communication process between nodes of the **network**. The system management **workstation** communicates with the **network** element for collecting the information through the network access (240) using a network management protocol such as SNMP (Simple Network Management Protocol) allowing to get...

10/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00917671

**Parallel I/O network file server architecture**

**Dateienprozessoraufbau im parallelen Eingangs/Ausgangsnetzwerk**

**Architecture de serveur de fichier en reseau entree/sortie parallele**

PATENT ASSIGNEE:

AUSPEX SYSTEMS, INC., (1348490), 2952 Bunker Hill Lane, Santa Clara, CA 95054, (US), (Applicant designated States: all)

INVENTOR:

Row, Edward John, 468 Mountain Laurel Court, Mountain View CA 94064, (US)  
Boucher, Laurence B., 20605 Montalvo Heights Drive, Saratoga CA 95070, (US)

Pitts, William M., 780 Mora Drive, Los Altos CA 94022, (US)

Blightman, Stephen E., 3733 Arlen Court, San Jose, CA 95132, (US)

LEGAL REPRESENTATIVE:

BROOKES & MARTIN (100141), High Holborn House 52/54 High Holborn, London, WC1V 6SE, (GB)

PATENT (CC, No, Kind, Date): EP 837402 A2 980422 (Basic)

EP 837402 A3 000809

APPLICATION (CC, No, Date): EP 97112889 900820;

PRIORITY (CC, No, Date): US 404959 890908

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; IT; LI; LU; NL; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 490973 (EP 90913922)

INTERNATIONAL PATENT CLASS: G06F-017/30 ; H04L-029/06

ABSTRACT WORD COUNT: 17846

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English

INTERNATIONAL PATENT CLASS: G06F-017/30 ...

10/3,K/6 (Item 6 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00844838

System and method for automounting and accessing remote file systems in  
microsoft windows in a networking environment

System und Verfahren zum automatischen Montieren und Zugreifen auf  
Ferndateisysteme in Microsoft-Windows in einer Netzwerkumgebung

Systeme et methode pour monter automatiquement et acceder a des systemes de  
fichiers eloignes dans Microsoft Windows dans un environnement en  
reseau

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392730), 2550 Garcia Avenue, Mountain View, CA  
94043, (US), (applicant designated states: DE;FR;GB;IT;NL)

INVENTOR:

Provino, Joseph E., 29 Wendel Street, Cambridge, Massachusetts 02138,  
(US)

Rosenzweig, Philip M., 12 Kinsley Road, Acton, Massachusetts 01720, (US)

LEGAL REPRESENTATIVE:

Johnson, Terence Leslie (42961), Edward Evans & Co. Chancery House 53-64  
Chancery Lane, London WC2A 1SD, (GB)

PATENT (CC, No, Kind, Date): EP 780778 A2 970625 (Basic)  
EP 780778 A3 970813

APPLICATION (CC, No, Date): EP 96309359 961220;

PRIORITY (CC, No, Date): US 577822 951222

DESIGNATED STATES: DE; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: G06F-017/30

ABSTRACT WORD COUNT: 246

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	5673
SPEC A	(English)	EPAB97	8845
Total word count - document A			14518
Total word count - document B			0
Total word count - documents A + B			14518

INTERNATIONAL PATENT CLASS: G06F-017/30

...SPECIFICATION in a networking environment.

In brief summary, in one aspect the invention provides a virtual file system accessing subsystem for use in connection with a **computer** system connected in a **computer network**. The **computer** system runs a selected operating system, such as Microsoft's MS-DOS and Windows operating systems. The virtual file system accessing subsystem facilitates the accessing...

...a virtual logical storage device file system that includes at least a portion of a remote file system maintained by another device connected in the **computer network**. The virtual file system accessing subsystem comprises an operating system request redirector for enabling the operating system to direct access requests from an application program...

...virtual logical storage device, identified by a single identifier, can be used to identify portions of a number of remote file systems, so that an **application program** can access a number of **remote** file systems using a single device identifier.

In another aspect, the invention provides a virtual file system accessing subsystem for use in connection with a **computer** system connected in a **computer network**. The **computer** system runs a selected operating system, such as Microsoft's MS-DOS and Windows operating systems. The virtual file system accessing subsystem facilitates accessing of...

...a virtual logical storage device file system that includes at least a

portion of a remote file system maintained by another device connected in the **computer network** , at least some virtual logical storage device file systems including a hierarchical directory system defining a plurality of possible paths each having a path identifier...

...an application program which identify a the virtual logical storage device to the remote access element. The operating system receiving access requests from a the **application program** and provides, to a **remote access** element, those **access** requests which include the virtual logical storage device identifier. Along with the **access** requests, the **operating** system provides to the **remote access** element, for the **access** requests received from the **application program** which do not include a path identifier, a path identifier for the default path for the virtual logical storage device identified by the virtual logical...

10/3,K/7 (Item 7 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00838724

**TRANSACTION SYNCHRONIZATION IN A DISCONNECTABLE COMPUTER AND NETWORK**  
**TRANSAKTIONSSYNCHRONISIERUNG IN EINEM NETZ ABTRENNBARER RECHNER**  
**SYNCHRONISATION DES RELEVES DE MOUVEMENTS DANS UN ORDINATEUR ET UN RESEAU**  
**POUVANT ETRE DECONNECTES**

PATENT ASSIGNEE:

NOVELL, INC., (1486133), 1555 North Technology Way, Orem, UT 84057-2399,  
(US), (Proprietor designated states: all)

INVENTOR:

FALLS, Patrick T., Meadlands Broad Layings, Woolton Hill Newbury,  
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COLLINS, Brian J., 30 High Drive, New Malden, Surrey KT3 3UG, (GB)  
DRAPER, Stephen P., W., 123 Pack Lane, Basingstoke, Hampshire RG22 5HL,  
(GB)

LEGAL REPRESENTATIVE:

Hanna, Peter William Derek (72342), Peter Hanna Associates 11 Mespil Road  
, Dublin 4, (IE)

PATENT (CC, No, Kind, Date): EP 839353 A1 980506 (Basic)  
EP 839353 B1 010926  
WO 9704389 970206

APPLICATION (CC, No, Date): EP 96926744 960718; WO 96US11901 960718

PRIORITY (CC, No, Date): US 1261 P 950720

DESIGNATED STATES: DE; FR; GB; IE

INTERNATIONAL PATENT CLASS: G06F-011/14 ; G06F-009/46 ; G06F-017/30

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200139	376
CLAIMS B	(German)	200139	351
CLAIMS B	(French)	200139	486
SPEC B	(English)	200139	11733

Total word count - document A 0

Total word count - document B 12946

Total word count - documents A + B 12946

INTERNATIONAL PATENT CLASS: G06F-011/14 ...

...G06F-009/46 ...

...G06F-017/30

...SPECIFICATION 56 stored on these media are not necessarily conventional even though the associated devices and controllers 54 may themselves be known in the art.

Each **computer** 40 also has a **network** link manager 50 that is capable of establishing a **network** connection 52 with another disconnectable



computer 40. Suitable network link managers 50 include those capable of providing remote procedure calls or an equivalent communications and control capability. One embodiment utilizes "DataTalk" remote procedure call software with extended NetWare Core Protocol calls and provides functionality according to the following interface:  
Those of skill in the art will appreciate that other remote...

10/3,K/8 (Item 8 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00838347

TRANSACTION CLASH MANAGEMENT IN A DISCONNECTABLE COMPUTER AND NETWORK  
TRANSAKTIONSKONFLIKTVERWALTUNG IN EINEM NETZ-ABTRENNBAREN RECHNER  
GESTION DE CONFLITS DE TRANSACTIONS DANS UN ORDINATEUR ET UN RESEAU POUVANT  
ETRE DECONNECTES

PATENT ASSIGNEE:

NOVELL, INC., (1486133), 1555 North Technology Way, Orem, UT 84057-2399,  
(US), (Proprietor designated states: all)

INVENTOR:

FALLS, Patrick, T., Meadlands, Broad Layings, Woolton Hill,  
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COLLINS, Brian, J., 30 High Drive, New Malden, Surrey KT3 3UG, (GB)

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LEGAL REPRESENTATIVE:

Hanna, Peter William Derek (72342), Peter Hanna Associates 11 Mespil Road  
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PATENT (CC, No, Kind, Date): EP 839351 A1 980506 (Basic)  
EP 839351 B1 010926  
WO 9704390 970206

APPLICATION (CC, No, Date): EP 96924594 960718; WO 96US11902 960718

PRIORITY (CC, No, Date): US 1344 P 950720

DESIGNATED STATES: DE; FR; GB; IE

INTERNATIONAL PATENT CLASS: G06F-011/14 ; G06F-009/46 ; G06F-017/30

NOTE:

No A-document published by EPO

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200139	488
CLAIMS B	(German)	200139	486
CLAIMS B	(French)	200139	585
SPEC B	(English)	200139	12363
Total word count - document A			0
Total word count - document B			13922
Total word count - documents A + B			13922

INTERNATIONAL PATENT CLASS: G06F-011/14 ...

...G06F-009/46 ...

...G06F-017/30

...SPECIFICATION 56 stored on these media are not necessarily conventional even though the associated devices and controllers 54 may themselves be known in the art.

Each computer 40 also has a network link manager 50 that is capable of establishing a network connection 52 with another disconnectable computer 40. Suitable network link managers 50 include those capable of providing remote procedure calls or an equivalent communications and control capability. One embodiment utilizes "DataTalk" remote procedure call software with extended NetWare Core Protocol calls and provides functionality according to the following interface:  
Those of skill in the art will appreciate that other remote...

10/3,K/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00809815

Method and apparatus for powering-on a computer-based system via a network interface

Methode und Gerat zur Einstellung eines Rechnersystems uber eine Netzchnittstelle

Methode et appareil de mise a tension d'un systeme d'ordinateur par une interface de reseau

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392732), 2550 Garcia Avenue, Mountain View, California 94043-1100, (US), (applicant designated states: DE;FR;GB;NL;SE)

INVENTOR:

Gianni, Robert R., 107 Worcester Lane, Los Gatos, California 95032, (US)

LEGAL REPRESENTATIVE:

Harris, Ian Richard et al (72231), D. Young & Co., 21 New Fetter Lane, London EC4A 1DA, (GB)

PATENT (CC, No, Kind, Date): EP 752637 A2 970108 (Basic)  
EP 752637 A3 970115

APPLICATION (CC, No, Date): EP 96110734 960703;

PRIORITY (CC, No, Date): US 499085 950706

DESIGNATED STATES: DE; FR; GB; NL; SE

INTERNATIONAL PATENT CLASS: G06F-001/26 ; H04L-012/12

ABSTRACT WORD COUNT: 104

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	1158
SPEC A	(English)	EPAB97	2505
Total word count - document A			3663
Total word count - document B			0
Total word count - documents A + B			3663

INTERNATIONAL PATENT CLASS: G06F-001/26 ...

...SPECIFICATION 60, 60' typically is an integrated circuit ("IC") chip that provides interfacing between the client computer and the remote host/server. According to current Ethernet **network** protocol, **networked computers** rely upon three attributes of the network: (a) the network is always up or active, (b) the client computer is always alive and coupled to the network, and (c) data and/or **application programs** may be run locally or run remotely over the **network** from another computer .

Each **computer** 30, 30' includes a power supply that is typically coupled to 110 VAC/220 VAC, and whose output DC voltages are coupled through an ON...

10/3,K/10 (Item 10 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00785110

METHOD AND APPARATUS FOR PROVIDING SIMPLE, SECURE MANAGEMENT OF REMOTE SERVERS

VERFAHREN UND VORRICHTUNG FUR DIE EINFACHE UND SICHERE VERWALTUNG VON ENTFERNTEN SERVERN

TECHNIQUE ET APPAREILLAGE DE GESTION SIMPLE ET FIABLE DE SERVEURS DISTANTS

PATENT ASSIGNEE:

NOVELL, INC., (1486133), 1555 North Technology Way, Orem, UT 84057-2399, (US), (applicant designated states: DE;FR;GB;IE;IT;SE)

INVENTOR:

NICOLET, Jim, 209 East Park Drive, Elk Ridge, UT 84651, (US)

LEGAL REPRESENTATIVE:

Hanna, Peter William Derek et al (72341), Tomkins & Co., 5 Dartmouth Road

, Dublin 6, (IE)  
PATENT (CC, No, Kind, Date): EP 797801 A1 971001 (Basic)  
EP 797801 B1 990317  
WO 9618948 960620  
APPLICATION (CC, No, Date): EP 95944081 951212; WO 95US16043 951212  
PRIORITY (CC, No, Date): US 355369 941213  
DESIGNATED STATES: DE; FR; GB; IE; IT; SE  
INTERNATIONAL PATENT CLASS: G06F-009/46  
NOTE:

No A-document published by EPO  
LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9911	1191
CLAIMS B	(German)	9911	1076
CLAIMS B	(French)	9911	1407
SPEC B	(English)	9911	4992
Total word count - document A			0
Total word count - document B			8666
Total word count - documents A + B			8666

INTERNATIONAL PATENT CLASS: G06F-009/46

...SPECIFICATION management of remote computers has typically been based on one of two schemes. One scheme, known as the remote console or log in scheme, employs **client** software that uses a simple **network** protocol, such as a protocol that provides for the creation, distribution and delivery of digital packets. The **client** software runs at the "**Network**" level of the Open Systems Interconnect or "OSI" model. Corresponding server software interacts directly with the client software. Through this scheme, the client software accepts...

...which in turn passes the keystrokes directly to the server computer operating system. Given the nature of the scheme, that keystrokes entered on the local **computer** are passed over the **network** through the remote server **software** directly to the **remote** operating system, the only security that was employed was for **access** to the **remote** server **application**.

The second commonly used scheme uses the Simple Network Management Protocol ("SNMP"), and the Simple Management Protocol ("SMP"). Both are related and have the same...the terms of the native communications protocol of the local (e.g., client) and remote (e.g., server) computers. The remote procedure calls allow client **software** to directly interact with the **operating** system of the **remote** computer so as to avoid the inherent problems of the currently available schemes. One or more remote procedure calls are incorporated into the **network** **client** and corresponding remote procedure calls are incorporated into the server operating system. Developers who then wish to develop client software with the ability to load, unload or otherwise configure their remote server applications may do so using a **network** **client** and server operating system supporting the calls.

HEWLETT- PACKARD JOURNAL, vol. 41, no. 2, April 1990, PALO ALTO US, pp. 85- 91, Atul R. Garg...

10/3,K/11 (Item 11 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00761147

APPARATUS AND METHOD FOR LIMITING ACCESS TO A LOCAL COMPUTER NETWORK  
VORRICHTUNG UND VERFAHREN ZUR BEGRENZUNG DES ZUGRIFFS AUF EIN LOKALES RECHNERNETZ  
PROCEDE ET DISPOSITIF PERMETTANT DE LIMITER L'ACCES A UN RESEAU LOCAL D'ORDINATEURS  
PATENT ASSIGNEE:

Shiva Corporation, (2109631), 28 Crosby Drive, Bedford, MA 01730, (US),  
(applicant designated states: DE;FR;GB)

INVENTOR:

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RODWIN, Andrew, S., 126 Box Mill Road, Boxborough, MA 01719, (US)  
WENOCUR, Jonathan, H., 140 Kilsyth Road, No 4, Brighton, MA 02146, (US)

LEGAL REPRESENTATIVE:

Altenburg, Udo, Dipl.-Phys. et al (1268), Patent- und Rechtsanwälte  
Bardehle . Pagenberg . Dost . Altenburg . Geissler . Isenbruck  
Galileiplatz 1, 81679 München, (DE)

PATENT (CC, No, Kind, Date): EP 775341 A1 970528 (Basic)

EP 775341 B1 990630

WO 9605549 960222

APPLICATION (CC, No, Date): EP 95926702 950714; WO 95US8900 950714

PRIORITY (CC, No, Date): US 287790 940809

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-001/00

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9926	743
CLAIMS B	(German)	9926	667
CLAIMS B	(French)	9926	818
SPEC B	(English)	9926	4280
Total word count - document A			0
Total word count - document B			6508
Total word count - documents A + B			6508

INTERNATIONAL PATENT CLASS: G06F-001/00

...SPECIFICATION can be used to maintain the database 30 of user names and access filters which was described previously with reference to FIG. 1.

The remote **computer** 12 can be loaded with **network application software** 34 and remote **access client software** 36. The **remote access client software** 36 can allow, for example, a Macintosh computer to use AppleTalk Remote Access (ARA), a Unix-based computer to use a Point-to-Point Protocol...

...and terminates the remote access connection and a "driver" which interfaces with the network. protocol stacks and the serial port 32 to send and receive **network** data. The remote access **client** can operate with a variety of protocols including IPX, TCP/IP, NetBEUI, LLC/802.2, and AppleTalk. Novell's IPX is the native protocol for...

...Windows for Workgroups. LLC/802.2 is for IBM LAN Server and host connectivity. The combination of AppleTalk and TCP/IP covers almost all Macintosh **applications**.

The performance of the **remote access** server 16 is primarily determined by the ability to move data through its serial ports (shown in FIG. 4 but not in FIG. 2) without...

...the controlling software. The software is upgradeable via downloading from the network 14 to the server 16. The network manager can perform any upgrades.

The **software** in the **remote access** server 16 causes the server 16 to perform the various functions described herein, although it should be noted that it is possible to use dedicated...

...to perform all server functionality described herein. The steps which the server performs in order to control a remote user's access to a local **computer network** according to the invention are shown in FIG. 3.

Referring to FIG. 3, it is first necessary to setup the connections by coupling a communication...

10/3,K/12 (Item 12 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00745841

Survey tool for email

Untersuchungswerkzeug fur Mitteilungssysteme

Outil de sondage pour courrier electronique

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392730), 2550 Garcia Avenue, Mountain View, CA 94043, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Sanders, James B., 420 Gerona, Stanford, California 94305, (US)

LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 703540 A2 960327 (Basic)  
EP 703540 A3 981007

APPLICATION (CC, No, Date): EP 95306784 950926;

PRIORITY (CC, No, Date): US 311795 940926

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-017/60

ABSTRACT WORD COUNT: 285

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	885
SPEC A	(English)	EPAB96	3960
Total word count - document A			4845
Total word count - document B			0
Total word count - documents A + B			4845

INTERNATIONAL PATENT CLASS: G06F-017/60

...SPECIFICATION a form suitable for graphical display and/or printout (step 855).

Other modifications are possible without departing from the scope of the invention. For example, **computer network** 100 can either be hardwired, optical, wireless, or combinations thereof. Other **applications** for which the **remote** transfer of an **executable program** with an interpretive command script can be adapted for use include various email reader programs which support email attachments. Hence the scope of the invention...

10/3,K/13 (Item 13 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2001 European Patent Office. All rts. reserv.

00688506

Distributed database management

Verteiltes Datenbankverarbeitungssystem

Systeme de base de donnees distribue

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (Proprietor designated states: all)

INVENTOR:

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Chang, Amy, 2 Hoyle Drive, Cortland Manor, New York 10566, (US)

Malkemus, Timothy R., 1602 Rock Creek Drive, Round Rock, Texas 75681, (US)

Wilson, Walter G., 88 Route 32 South, New Paltz, New York 12561, (US)

LEGAL REPRESENTATIVE:

Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 657813 A1 950614 (Basic)  
EP 657813 B1 000223

APPLICATION (CC, No, Date): EP 94308197 941108;

PRIORITY (CC, No, Date): US 163100 931206

DESIGNATED STATES: DE; FR; GB  
INTERNATIONAL PATENT CLASS: G06F-011/14  
ABSTRACT WORD COUNT: 88  
NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200008	809
CLAIMS B	(German)	200008	894
CLAIMS B	(French)	200008	1069
SPEC B	(English)	200008	2547
Total word count - document A			0
Total word count - document B			5319
Total word count - documents A + B			5319

INTERNATIONAL PATENT CLASS: G06F-011/14

...SPECIFICATION databases and more particularly to distributed update requests within a transaction on a parallel database.

A distributed database system is one implemented over a communication **network** linking a plurality of **computers**. The database itself is partitioned among the individual computers. A database request from an application program running on one computer can be sent to one or more remote **computers** over the **network**. To handle such a request a coordinator running on a computer (either the computer where the **application program** is **executing** or a **remote** computer which exclusively handles coordination) decides whether the transaction owning the request is to be committed or rolled back. A true distributed request is permitted...

10/3,K/14 (Item 14 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00601744

**Distributed system and associated method for controlling a plurality of protocols**

**Verteiltes System und entsprechendes Protokollauswahlverfahren**  
**Systeme distribue et methode associee de controle de protocoles**

PATENT ASSIGNEE:

Hitachi, Ltd., (204141), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101, (JP), (Proprietor designated states: all)

HITACHI SEIBU SOFT WARE CO., LTD., (790471), 5-29, Kitahama-3-chome,, Chuo-ku, Osaka, (JP), (Proprietor designated states: all)

INVENTOR:

Watanabe, Tetsuya, Hitachi Akebonoryo, 2453 Nakatacho, Izumi-ku, Yokohama-shi, (JP)

Ishikawa, Hiromichi, Shonan Raifutaun, Takinosawa 2-1-301, 1090 Endo, Fujisawa-shi, (JP)

Hatano, Masaaki, 5-30-12 Hoenzaka-1-chome, Chuo-ku, Osaka-shi, (JP)

LEGAL REPRESENTATIVE:

Calderbank, Thomas Roger et al (50122), MEWBURN ELLIS York House 23 Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 597592 A2 940518 (Basic)  
EP 597592 A3 950125  
EP 597592 B1 000315

APPLICATION (CC, No, Date): EP 93308076 931011;

PRIORITY (CC, No, Date): JP 92272668 921012

DESIGNATED STATES: FR; GB

INTERNATIONAL PATENT CLASS: G06F-009/46 ; H04L-029/06

ABSTRACT WORD COUNT: 151

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200011	1280
CLAIMS B	(German)	200011	1180
CLAIMS B	(French)	200011	1569
SPEC B	(English)	200011	3373
Total word count - document A			0
Total word count - document B			7402
Total word count - documents A + B			7402

INTERNATIONAL PATENT CLASS: G06F-009/46 ...

...SPECIFICATION a plurality of communication control program but it is not easy to modify the protocols and the application contexts.

EP-A-0414624 discloses a distributed **computer** system in which a **network** of **computers** have application programs which made use of library procedures. Where the library procedure has an application program is not available on the computer on which the **application program** is running, a **remote** router procedure services information from a remote computer and returns it for use by the application program. The system makes use of a service director...

10/3,K/15 (Item 15 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00559081

**LICENSE MANAGEMENT SYSTEM**

**LIZENZ-VERWALTUNGSSYSTEM**

**SYSTEME DE GESTION DE LICENCES**

PATENT ASSIGNEE:

DIGITAL EQUIPMENT CORPORATION, (313080), 146 Main Street, Maynard, MA 01754, (US), (applicant designated states:

AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;MC;NL;SE)

INVENTOR:

WYMAN, Richard, Mark, 410 Second Avenue, South 108, Kirkland, WA 98033, (US)

LEGAL REPRESENTATIVE:

Goodman, Christopher et al (31122), Eric Potter Clarkson, Park View House, 58 The Ropewalk, Nottingham NG1 5DD, (GB)

PATENT (CC, No, Kind, Date): EP 538464 A1 930428 (Basic)

EP 538464 B1 981230

WO 9220021 921112

APPLICATION (CC, No, Date): EP 92914135 920501; WO 92US3608 920501

PRIORITY (CC, No, Date): US 697652 910508

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; MC; NL; SE

INTERNATIONAL PATENT CLASS: G06F-001/00 ; G06F-017/60

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9853	1143
CLAIMS B	(German)	9853	1114
CLAIMS B	(French)	9853	1314
SPEC B	(English)	9853	14676
Total word count - document A			0
Total word count - document B			18247
Total word count - documents A + B			18247

INTERNATIONAL PATENT CLASS: G06F-001/00 ...

...G06F-017/60

...SPECIFICATION system for all such products.

Distributed computing systems present additional licensing issues. A

distributed system includes a number of processor nodes tied together in a network of servers and clients . Each node is a processor which may execute programs locally, and may also execute programs or features (subparts of programs ) via the network. A program executing on one node may make remote procedure calls to procedures or programs on other nodes. In this case, some provision need be made for defining a license permitting a program to be executed in a distributed manner...

10/3,K/16 (Item 16 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00546611

Small computer system interface for non-local SCSI devices.

SCSI-Schnittstelle fur nicht-lokale SCSI-Gerate.

Interface SCSI pour dispositifs SCSI non-locaux.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states:  
CH;DE;FR;GB;IT;LI;NL;SE)

INVENTOR:

McNeill, Andrew Boyce, Jnr., 181 NW 41st Way, Deerfield Beach, FL 33442,  
(US)

Wachtel, Edward Irving, 22167 Serenata Circle East, Boca Raton, FL 33433,  
(US)

LEGAL REPRESENTATIVE:

Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual  
Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 549217 A1 930630 (Basic)

APPLICATION (CC, No, Date): EP 92311351 921211;

PRIORITY (CC, No, Date): US 812197 911220

DESIGNATED STATES: CH; DE; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: G06F-013/38

ABSTRACT WORD COUNT: 57

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	465
SPEC A	(English)	EPABF1	4180
Total word count - document A			4645
Total word count - document B			0
Total word count - documents A + B			4645

INTERNATIONAL PATENT CLASS: G06F-013/38

...CLAIMS SCSI adapters; and

emulation means enabling the remote peripheral device in the second computer for direct access of the remote peripheral device by the first computer upon command.

2. The computer network system as claimed in Claim 1 wherein the first and second computers are BIOS software dependent and the sfotware memory resident emulation means enabling the...

...in the second computer for direct access of the remote peripheral device by the first computer upon command provides for proper sharing of the BIOS software interrupt which supports remote peripheral device access by both the first and second computers such that proper hardware and software priority operation is maintained.

3. The computer network system as claimed in...

10/3,K/17 (Item 17 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00511224



OBJECT-ORIENTED ARCHITECTURE FOR FACTORY FLOOR MANAGEMENT  
OBJEKTORIENTIERTE ARCHITEKTUR FUR FABRIKVERWALTUNG  
STRUCTURE ORIENTEE OBJET POUR GESTION D'ATELIER

PATENT ASSIGNEE:

CONSILIUM, INC., (1501350), 640 Clyde Ct., Mt. View, CA 94303, (US),  
(Proprietor designated states: all)

INVENTOR:

Tantry, Subbash Belman, 1228 Harker Avenue, Palo Alto, CA 94301, (US)  
MASHRUWALA, Rajesh, Unmesh, 450 Melville Avenue, Palo Alto, CA 94301,  
(US)

LOZIER, Barry, Alexander, 1225 Vienna Drive, 95, Sunnyvale, CA 94089,  
(US)

HESS, Richard, Leroy, 3073 Middlefield Road, 203, Palo Alto, CA 94303,  
(US)

LEGAL REPRESENTATIVE:

Martin, Jean-Jacques (17181), Cabinet REGIMBEAU 26, Avenue Kleber, 75116  
Paris, (FR)

PATENT (CC, No, Kind, Date): EP 553285 A1 930804 (Basic)

EP 553285 A1 931110

EP 553285 B1 000301

WO 9207331 920430

APPLICATION (CC, No, Date): EP 91920578 911015; WO 91US7671 911015

PRIORITY (CC, No, Date): US 598078 901016

DESIGNATED STATES: DE; FR

INTERNATIONAL PATENT CLASS: G06F-017/00

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	200009	648
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CLAIMS B	(German)	200009	569
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CLAIMS B	(French)	200009	882
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SPEC B	(English)	200009	10211
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Total word count - document A	0
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Total word count - document B	12310
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Total word count - documents A + B	12310
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INTERNATIONAL PATENT CLASS: G06F-017/00

...CLAIMS said application service request for operations on non-persistent objects.

12. The computer system of claim 11 wherein each application node of said plurality of **application** nodes **executes** a single **remote** object server process for communicating with other nodes of said plurality of **networked computer** nodes.

10/3,K/18 (Item 18 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2001 European Patent Office. All rts. reserv.

00468165

**Problem analysis of a node computer with assistance from a central site.**

**Problemanalyse eines Knotenrechners mit Hilfe einer zentralen Stelle.**

**Analyse de probleme d'une calculatrice de noeud avec assistance d'un site central.**

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Derr, Andrew G., 1009 Hazel Avenue, Endicott, N.Y. 13760, (US)

Poliquin, Richard J., 409 Chrysler Road, Endwell, N.Y. 13760, (US)

LEGAL REPRESENTATIVE:

Jost, Ottokarl, Dipl.-Ing. (6092), IBM Deutschland GmbH Patentwesen und  
Urheberrecht Schonaicher Strasse 220, W-7030 Boblingen, (DE)

PATENT (CC, No, Kind, Date): EP 474058 A2 920311 (Basic)

EP 474058 A3 930421

APPLICATION (CC, No, Date): EP 91114144 910821;  
PRIORITY (CC, No, Date): US 578042 900904  
DESIGNATED STATES: DE; FR; GB  
INTERNATIONAL PATENT CLASS: G06F-011/00 ; G06F-011/22  
ABSTRACT WORD COUNT: 221

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1660
SPEC A	(English)	EPABF1	6543
Total word count - document A			8203
Total word count - document B			0
Total word count - documents A + B			8203

INTERNATIONAL PATENT CLASS: G06F-011/00 ...

...G06F-011/22

...ABSTRACT A2

A **computer network** analyzes a problem with a first **computer** in the **network** . The **network** comprises a first program which runs on a second computer and analyzes a problem with the first computer. A second program also runs on the...

...exists that the problem can be corrected by a person at the first computer which person not having service engineering expertise or resources. A third **program** runs on the third computer and **remotely controls** the first **program** to obtain the additional information relating to the cause of the problem if there is at least a reasonable chance that the problem can be...

...CLAIMS means stores said identification of said part in said second computer, and does not send said identification with said notification for use by said third **computer** .

30. A **computer network** for performing the methods of any one of the preceding claims 1-17 and/or for running the program products of any one of the...

...exists that said problem can be corrected by a person at said first computer which person not having service engineering expertise or resources; and

third **program** means for **running** on said third computer and **remotely controlling** said first **program** means to obtain said additional information relating to the cause of said problem if there is at least a reasonable chance that said problem can...

10/3,K/19 (Item 19 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2001 European Patent Office. All rts. reserv.

00468164

Remote control of a computer processor.

Fernbedienung eines Rechnerprozessors.

Contrôle a distance d'un processeur d'ordinateur.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Fitzgerald, Arthur Kenneth, 8800 O'Neal Road, Raleigh, N.C. 27613, (US)  
Gainey, Charles William, Jr., 21 James Street, Poughkeepsie, N.Y. 12603, (US)

Kelley, William Kevin, 25 Hilltop Drive, Wappingers Falls, N.Y. 12590, (US)

Wentz, Samuel Lee, 1128 Greenwood Glen, Endwell, N.Y. 13760, (US)

LEGAL REPRESENTATIVE:

Jost, Ottokarl, Dipl.-Ing. (6092), IBM Deutschland GmbH Patentwesen und  
Urheberrecht Schonaicher Strasse 220, W-7030 Boblingen, (DE)  
PATENT (CC, No, Kind, Date): EP 478942 A2 920408 (Basic)  
EP 478942 A3 940615  
APPLICATION (CC, No, Date): EP 91114143 910821;  
PRIORITY (CC, No, Date): US 577967 900904  
DESIGNATED STATES: DE; FR; GB  
INTERNATIONAL PATENT CLASS: G06F-015/16  
ABSTRACT WORD COUNT: 195

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1135
SPEC A	(English)	EPABF1	6432
Total word count - document A			7567
Total word count - document B			0
Total word count - documents A + B			7567

INTERNATIONAL PATENT CLASS: G06F-015/16

...SPECIFICATION noted that the transmission is in the form of an IBM 3270 data stream which is a field by field definition format.

The prior art **network** 10 also includes a **work station** controller 18 which is hardware and microcode such as an IBM 3274 Control Unit to provide an interface to the operating system 14 of processor...

...a keyboard 17 pursuant to the displayed request. The resultant keystrokes are sent to operating system 14 via device cluster adapter 23 and work station **controller** 18.

Work station **controller** 18 can also be **remotely controlled** by a **program** command from central computer 28 to provide the aforesaid information to operating system 14. The first step for the remote control is for TSCF/PC...

10/3,K/20 (Item 20 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00461800

System for integrating application programs in a heterogeneous network environment

System zum Integrieren von Anwenderprogrammen in eine heterogene Netzwerkumgebung

Systeme pour integrer des programmes d'application dans un environnement de reseau heterogene

PATENT ASSIGNEE:

Hewlett-Packard Company, (206031), Mail Stop 20 B-O, 3000 Hanover Street,  
Palo Alto, California 94304, (US), (applicant designated states:  
DE;FR;GB)

INVENTOR:

Pham, Thong, 10148 Judy Avenue, Cupertino, California 95014, (US)  
Gulland, Scott, 3681 Irlanda Way, San Jose, California 95125, (US)  
Amino, Mitch, 373 Bundy Avenue, San Jose, California 95117, (US)

LEGAL REPRESENTATIVE:

Baillie, Iain Cameron et al (27951), Ladas & Parry, Altheimer Eck 2,  
80331 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 456249 A2 911113 (Basic)  
EP 456249 A3 930120  
EP 456249 B1 981209

APPLICATION (CC, No, Date): EP 91107604 910510;

PRIORITY (CC, No, Date): US 521543 900510

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-009/46

ABSTRACT WORD COUNT: 214

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9850	1199
CLAIMS B	(German)	9850	1068
CLAIMS B	(French)	9850	1485
SPEC B	(English)	9850	12992
Total word count - document A			0
Total word count - document B			16744
Total word count - documents A + B			16744

INTERNATIONAL PATENT CLASS: G06F-009/46

...SPECIFICATION into a C-language code that runs on both sides of the connection (the user and server computers); and a Location Broker 128 which lets **applications** determine at **run** time which **remote computers** on the **network** can provide the required services to the user computer. In particular, as shown in FIG. 1, a user application 102 interfaces with a procedure call...software tool which enables a system integrator or end-user flexibly and efficiently to produce run time software for integration of existing applications in a **networked** environment of heterogeneous **computers**. In order to achieve this goal, the present invention provides functionality equivalent to that of a combination of a message and file handling system, a data manipulation system, and a local and **remote program control** system.

From the system integrator's viewpoint, the present invention provides a message handling system which allows data types and data formats to be different...

10/3,K/21 (Item 21 from file: 348)  
 DIALOG(R)File 348:EUROPEAN PATENTS  
 (c) 2001 European Patent Office. All rts. reserv.

00451925

PARALLEL I/O NETWORK FILE SERVER ARCHITECTURE  
 DATEIENPROZESSORAUFBAU IM PARALLELEN EINGANGS/AUSGANGS NETZWERK  
 ARCHITECTURE DE SERVEUR DE FICHER, EN RESEAU ENTREE/SORTIE PARALLLELE  
 PATENT ASSIGNEE:

AUSPEX SYSTEMS, INC., (1348490), 2952 Bunker Hill Lane, Santa Clara, CA 95054, (US), (applicant designated states:  
 AT;BE;CH;DE;DK;ES;FR;GB;IT;LI;LU;NL;SE)

INVENTOR:

ROW, Edward, John, 468 Mountain Laurel Court, Mountain View, CA 94064, (US)  
 BOUCHER, Laurence, B., 20605 Montalvo Heights Drive, Saratoga, CA 95070, (US)  
 PITTS, William, M., 780 Mora Drive, Los Altos, CA 94022, (US)  
 BLIGHTMAN, Stephen, E., 775 Salt Lake Drive, San Jose, CA 95133, (US)

LEGAL REPRESENTATIVE:

Barnard, Eric Edward et al (28021), BROOKES & MARTIN High Holborn House 52/54 High Holborn, London WC1V 6SE, (GB)

PATENT (CC, No, Kind, Date): EP 490973 A1 920624 (Basic)  
 EP 490973 A1 931020  
 EP 490973 B1 980225  
 WO 9103788 910321

APPLICATION (CC, No, Date): EP 90913922 900820; WO 90US4711 900820

PRIORITY (CC, No, Date): US 404959 890908

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G06F-017/30 ; G06F-015/16

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9809	1026
CLAIMS B	(German)	9809	833
CLAIMS B	(French)	9809	1283
SPEC B	(English)	9809	22438

Total word count - document A 0  
Total word count - document B 25580  
Total word count - documents A + B 25580

INTERNATIONAL PATENT CLASS: G06F-017/30 ...

...G06F-015/16

...SPECIFICATION in Postel, "Transmission Control Protocol," RFC 761  
(January 1980) and RFC 793 (September 1981).

XDR/RPC Layer. This layer provides functions callable from higher level  
**programs** to **run** a designated procedure on a **remote** machine. It also  
provides the decoding necessary to permit a client machine to execute a  
procedure on the server. For example, a caller process in...

...procedure within the server. When the procedure is complete, a reply  
message is generated and RPC passes it back down the stack and over the  
**network** to the caller **client**. RPC is described in Sun Microsystems,  
Inc., "RPC: Remote Procedure Call Protocol Specification, Version 2," RFC  
1057 (June 1988).

RPC uses the XDR external data...

10/3,K/22 (Item 22 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00410478

WORKSTATION AND METHOD OF OPERATING IT

ARBEITSPLATZ UND ENTSPRECHENDES BETRIEBSVERFAHREN

POSTE DE TRAVAIL ET SA METHODE D'EXPLOITATION

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

HALLIWELL, Harry, 24 Burley Road Winchester, Hampshire SO22 6LJ, (GB)

LEGAL REPRESENTATIVE:

Bailey, Geoffrey Alan (27921), IBM United Kingdom Limited Intellectual  
Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 437441 A1 910724 (Basic)

EP 437441 B1 970618

WO 9102305 910221

APPLICATION (CC, No, Date): EP 89909034 890803; WO 89GB883 890803

PRIORITY (CC, No, Date): EP 89909034 890803; WO 89GB883 890803

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-003/033

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB97	360
CLAIMS B	(German)	EPAB97	386
CLAIMS B	(French)	EPAB97	425
SPEC B	(English)	EPAB97	2246

Total word count - document A 0

Total word count - document B 3417

Total word count - documents A + B 3417

INTERNATIONAL PATENT CLASS: G06F-003/033

...CLAIMS workstation as claimed in any preceding claim in which said  
display means operates under control of a windowing display control  
program.

5. A data processing **network** comprising a **workstation** (2) as claimed  
in any preceding claim, at least one **remote** processor (6) for  
**running remote applications** (20) and a communication system (4)  
for linking said workstation to said at least one remote processor.

6. A network as claimed in claim 5...

10/3,K/23 (Item 23 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00404318

**System and method for detecting and diagnosing errors in a computer program.**

**Verfahren und Anordnung zur Fehlererkennung und -Diagnose in einem Computerprogramm.**

**Procede et dispositif pour la detection et le diagnostic d'erreurs dans un programme d'ordinateur.**

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Cobb, Paul Raymond, 5816 Hedgemoor Drive, Raleigh, NC 27612, (US)

Lennon, Christopher John, 104 E. Gerrell Ct., Cary, NC 27511, (US)

Long, Kenneth John, 113 Hollow Oak Ct., Cary, NC 27513, (US)

LEGAL REPRESENTATIVE:

de Pena, Alain et al (15151), Compagnie IBM France Departement de  
Propriete Intellectuelle, F-06610 La Gaude, (FR)

PATENT (CC, No, Kind, Date): EP 403415 A2 901219 (Basic)

EP 403415 A3 911211

APPLICATION (CC, No, Date): EP 90480075 900529;

PRIORITY (CC, No, Date): US 367403 890616

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-011/00 ; G06F-009/40

ABSTRACT WORD COUNT: 141

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	786
SPEC A	(English)	EPABF1	5015
Total word count - document A			5801
Total word count - document B			0
Total word count - documents A + B			5801

INTERNATIONAL PATENT CLASS: G06F-011/00 ...

...G06F-009/40

...SPECIFICATION log record is placed on a software problem error log.

A generic alert is constructed next for software programs executing on a processor in a **computer network** that supports generic alerts as illustrated diagrammatically in Figure 10. A number of steps have to be performed in order to construct the generic alert...

...the name of the file that contains the storage dump 40. Once the generic alert 70 is constructed, it is passed from the network management **program 60** **executing** on **remote** processor 200 via **operating** system 65 to the network management application 75 for processing at the host processor 100. Host operating system 80 then passes the notification to the...

10/3,K/24 (Item 24 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00401483

**Method and apparatus for computer program encapsulation.**

**Verfahren und Vorrichtung zur Verkapselung von Rechnerprogrammen.**

**Methode et dispositif d'encapsulation de programmes d'ordinateur.**

PATENT ASSIGNEE:

Hewlett-Packard Company, (206033), 3000 Hanover Street, Palo Alto  
California 94304, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Fromme, Brian D., 1308 Hepplewhite Court, Fort Collins, Colorado 80526,  
(US)

LEGAL REPRESENTATIVE:

Colgan, Stephen James et al (29461), CARPMAELS & RANSFORD 43 Bloomsbury  
Square, London WC1A 2RA, (GB)

PATENT (CC, No, Kind, Date): EP 399822 A2 901128 (Basic)  
EP 399822 A3 920506

APPLICATION (CC, No, Date): EP 90305655 900524;

PRIORITY (CC, No, Date): US 358962 890526

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-009/44

ABSTRACT WORD COUNT: 185

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1646
SPEC A	(English)	EPABF1	12330
Total word count - document A			13976
Total word count - document B			0
Total word count - documents A + B			13976

INTERNATIONAL PATENT CLASS: G06F-009/44

...SPECIFICATION action by the application tool, a subprocess controller permits communication with the application tool either on the local host computer or on a remote host **computer** through a **network** . The subprocess controller determines whether the **application** tool is to be **executed** locally or on a **remote** host computer. When the **application** tool is to be executed locally, a request is forwarded directly to the application tool. When the **application** tool is to be **executed** on a **remote** host computer, a request is forwarded to the remote host computer.

The method for program encapsulation in accordance with the present invention permits an application...

10/3,K/25 (Item 25 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00401126

Remote execution of database transactions.

Fernausfuhrung von Datenbanktransaktionen.

Execution a distance de transactions de base de donnees.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Copenhaver, Diane Re, 4500 Secluded Hollow, Austin, Texas 78727, (US)

Horn, Gary Randall, 12046 Lincolnshire, Austin, Texas 78758, (US)

Jeffries, Lynn Mary, 6300 Sprucewood Cove, Austin, Texas 78731, (US)

LEGAL REPRESENTATIVE:

Bailey, Geoffrey Alan (27921), IBM United Kingdom Limited Intellectual  
Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 398641 A2 901122 (Basic)  
EP 398641 A3 921230

APPLICATION (CC, No, Date): EP 90305214 900515;

PRIORITY (CC, No, Date): US 352079 890515

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-015/40

ABSTRACT WORD COUNT: 212

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	496
SPEC A	(English)	EPABF1	1932

Total word count - document A 2428  
Total word count - document B 0  
Total word count - documents A + B 2428

INTERNATIONAL PATENT CLASS: G06F-015/40

...SPECIFICATION computer without a direct access storage device, said method comprising the steps of:  
linking said computer without a direct access storage device via a data network to a computer having a direct access storage device and access to a database;  
installing database server software code on said computer having a direct access storage device; and  
utilizing said computer without a direct access storage device to execute remotely said database server software code via file redirection wherein said computer without a direct access storage device is utilizable to execute remotely database transactions.  
The present invention provides an...

...CLAIMS without a direct access storage device (30), said method comprising the steps of:  
linking said computer without a direct access storage device via a data network (32) to a computer having a direct access storage device (28) and access to a database  
installing database server software code on said computer having a direct access storage device; and  
utilizing said computer without a direct access storage device to execute remotely said database server software code via file redirection wherein said computer without a direct access storage device is utilizable to execute remotely database transactions.  
2. A method as claimed...

10/3,K/26 (Item 26 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00401125

Remote application interface  
Fernanwendungsschnittstelle  
Interface d'application a distance  
PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Devany, Estel Paul, 1602 Wildwood Drive, Round Rock, Texas 78681, (US)  
Garrison, Jane Ransom, 12228 Antoinette, Austin, Texas 78727, (US)  
Jacobs, Dwayne Charles, 12704 Cantle Trail, Austin, Texas 78727, (US)  
Jordan II, Lloyd Eugene, 13505 Bayswater Garden, Austin, Texas 78729, (US)

LEGAL REPRESENTATIVE:

Bailey, Geoffrey Alan (27921), IBM United Kingdom Limited Intellectual Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 398640 A2 901122 (Basic)  
EP 398640 A3 921230  
EP 398640 B1 970423

APPLICATION (CC, No, Date): EP 90305213 900515;

PRIORITY (CC, No, Date): US 352082 890515

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-017/30

ABSTRACT WORD COUNT: 138

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	958
CLAIMS B	(English)	EPAB97	412
CLAIMS B	(German)	EPAB97	410



CLAIMS B	(French)	EPAB97	502
SPEC A	(English)	EPABF1	3291
SPEC B	(English)	EPAB97	3315
Total word count - document A			4249
Total word count - document B			4639
Total word count - documents A + B			8888

INTERNATIONAL PATENT CLASS: G06F-017/30

...ABSTRACT A2

A system suitable for use on a **computer network** provides a user interface (10) on a local node and an **application** (34) to be **run** on a **remote** node. An **application** (14,30) for accepting input from the user and translating it to appropriate commands for the remote application is divided, and located partially on the...

...SPECIFICATION a transaction result to the local node over a network communications link.

In preferred embodiments of the invention a system suitable for use on a **computer network** provides a user interface on a local node and an **application** to be **run** on a **remote** node. An **application** for accepting input from the user and translating it to appropriate commands for the remote application is divided, and located partially on the local node...

...SPECIFICATION local network node as a second single message over the communications link.

In preferred embodiments of the invention a system suitable for use on a **computer network** provides a user interface on a local node and an **application** to be **run** on a **remote** node. An **application** for accepting input from the user and translating it to appropriate commands for the remote application is divided, and located partially on the local node...

10/3,K/27 (Item 27 from file: 348)  
 DIALOG(R)File 348:EUROPEAN PATENTS  
 (c) 2001 European Patent Office. All rts. reserv.

00361751

**Expert system for security inspection of a digital computer system in a network environment.**

**Expertensystem für die Sicherheitsuntersuchung eines digitalen Rechnersystems in einer Netzwerkumgebung.**

**Système expert pour l'inspection de sécurité d'un système de calculateur numérique dans un environnement de réseau.**

PATENT ASSIGNEE:

DIGITAL EQUIPMENT CORPORATION, (313081), 111 Powdermill Road, Maynard  
 Massachusetts 01754-1418, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Teng, Henry Shao-Lin, 39 Britt Lane, Groton Massachusetts 01450, (US)

LEGAL REPRESENTATIVE:

Goodman, Christopher et al (31122), Eric Potter & Clarkson 14 Oxford  
 Street, Nottingham NG1 5BP, (GB)

PATENT (CC, No, Kind, Date): EP 329415 A2 890823 (Basic)  
 EP 329415 A3 920226

APPLICATION (CC, No, Date): EP 89301442 890215;

PRIORITY (CC, No, Date): US 157482 880217

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-001/00

ABSTRACT WORD COUNT: 126

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	119
SPEC A	(English)	EPABF1	9666
Total word count - document A			9785

Total word count - document B 0  
Total word count - documents A + B 9785

INTERNATIONAL PATENT CLASS: G06F-001/00

...SPECIFICATION password.

A network default account inspector 12 is used if the computer system includes a plurality of nodes interconnected by way of, for example, a **network**. In one specific **computer** system, the operating system at each node provides a default account which is used by a process, termed an object, to activate the network at that node. The network default account inspector 12 determines whether a user can **execute** a **program** or enable a **remote** node to **execute** an **applications program** while in the default account.

In addition, in one specific computer system, the programs which a user may execute are assigned one or several of...

10/3,K/28 (Item 28 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00348840

Communication line controller.

Übertragungsleitungssteuerung.

Contrôle de ligne de communication.

PATENT ASSIGNEE:

TANDEM COMPUTERS INCORPORATED, (524030), 19333 Vallco Parkway, Cupertino  
California 95014-2599, (US), (applicant designated states:  
AT;BE;CH;DE;FR;GB;IT;LI;NL;SE)

INVENTOR:

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 346946 A1 891220 (Basic)  
EP 346946 B1 930414

APPLICATION (CC, No, Date): EP 89115044 841114;

PRIORITY (CC, No, Date): US 551283 831114

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; NL; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 147046 (EP 843078767)

INTERNATIONAL PATENT CLASS: G06F-013/38 ; G06F-011/16

ABSTRACT WORD COUNT: 130

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	546
CLAIMS B	(German)	EPBBF1	527
CLAIMS B	(French)	EPBBF1	699
SPEC B	(English)	EPBBF1	4100

Total word count - document A 0

Total word count - document B 5872

Total word count - documents A + B 5872

INTERNATIONAL PATENT CLASS: G06F-013/38 ...

...G06F-011/16

...SPECIFICATION microprocessor module receives down-loadable software protocol programs from the processors of the computer system. This permits upgrades or modification of the protocol program stored in the **line controller** while the line controller is operational, that is, the

line controller is powered and communicating with the controller. A substitution of an **interface** module is made when a **remote** communications **port** requires a different electronic line level protocol.

The microprocessor module and the interface module within the line controller connect together over interface lines within the...

10/3,K/29 (Item 29 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00287965

Data processing network with updating of files.

Datenverarbeitungsnetzwerk mit Aktualisierung von Dateien.

Reseau de traitement de donnees avec mise a jour de fichiers.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

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PATENT (CC, No, Kind, Date): EP 284924 A2 881005 (Basic)

EP 284924 A3 900307

EP 284924 B1 931103

APPLICATION (CC, No, Date): EP 88104339 880318;

PRIORITY (CC, No, Date): GB 8707848 870402

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-009/44 ; G06F-015/16

ABSTRACT WORD COUNT: 247

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	300
CLAIMS B	(German)	EPBBF1	302
CLAIMS B	(French)	EPBBF1	357
SPEC B	(English)	EPBBF1	3574
Total word count - document A			0
Total word count - document B			4533
Total word count - documents A + B			4533

INTERNATIONAL PATENT CLASS: G06F-009/44 ...

...G06F-015/16

...SPECIFICATION present invention;

Figure 3 is a chart summarising the operation of the invention;

Figure 4 is a block diagram showing how a host-based computer  
**program** may be implemented to update data **files** at a **remotely**  
connected personal **computer** ; and

Figure 5 shows the preferred structure of the data files.

Referring now to Figure 1, a data processing network consists of a host  
processor...

10/3,K/30 (Item 30 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00263497

Data link and method of transferring data for personal computer system  
Datenübermittlungsstrecke und Verfahren zur Datenübertragung für  
personliches Rechnersystem

Liaison de donnees et methode de transfert de donnees pour systeme  
d'ordinateur personnel

PATENT ASSIGNEE:

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INVENTOR:

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LEGAL REPRESENTATIVE:

Senior, Alan Murray et al (35712), J.A. KEMP & CO., 14 South Square,  
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PATENT (CC, No, Kind, Date): EP 270896 A2 880615 (Basic)  
EP 270896 A3 900919  
EP 270896 B1 970409

APPLICATION (CC, No, Date): EP 87117245 871123;

PRIORITY (CC, No, Date): US 938848 861208

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: G06F-013/12 ; G06F-013/40

ABSTRACT WORD COUNT: 196

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	990
CLAIMS B	(English)	EPAB97	1208
CLAIMS B	(German)	EPAB97	1100
CLAIMS B	(French)	EPAB97	1404
SPEC A	(English)	EPABF1	4477
SPEC B	(English)	EPAB97	4590
Total word count - document A			5467
Total word count - document B			8302
Total word count - documents A + B			13769

INTERNATIONAL PATENT CLASS: G06F-013/12 ...

...G06F-013/40

...SPECIFICATION industry standard for electronic data transfer between  
computers and remote terminals.

The invention is illustrated with a system for connecting a number of  
relatively unsophisticated **remote** terminals to a host **controller** . The  
host controller executes the **applications** software in response to  
commands received from the remote terminals in real time on an  
interactive, time-share basis. Alternately, the invention permits linking  
remote, autonomous personal **computers** in an interactive, real time  
**network** so that the PC's can exchange information, including video  
information, in real time.

BRIEF OF DESCRIPTION OF THE DRAWINGS

Figure 1 is a block...

...SPECIFICATION industry standard for electronic data transfer between  
computers and remote terminals.

The invention is illustrated with a system for connecting a number of  
relatively unsophisticated **remote** terminals to a host **controller** . The  
host controller executes the **applications** software in response to  
commands received from the remote terminals in real time on an  
interactive, time-share basis. Alternately, the invention permits linking  
remote, autonomous personal **computers** in an interactive, real time  
**network** so that the PC's can exchange information, including video  
information, in real time.

BRIEF OF DESCRIPTION OF THE DRAWINGS

Figure 1 is a block...

10/3,K/31 (Item 31 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00255124

Multiple CPU program management.

Programmverwaltung fur mehrere zentrale Verarbeitungseinheiten.

Gestion de programmes de plusieurs unites centrales de traitement.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Crossley, James Forrest, 2570 Runic Way, Alpharetta Georgia 30201, (US)

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Buff, Henri C. (14401), Compagnie IBM France Departement de Propriete  
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PATENT (CC, No, Kind, Date): EP 254854 A2 880203 (Basic)  
EP 254854 A3 900509  
EP 254854 B1 940302

APPLICATION (CC, No, Date): EP 87108645 870616;

PRIORITY (CC, No, Date): US 890389 860729

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G06F-009/46 ; G06F-015/16

ABSTRACT WORD COUNT: 241

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	358
CLAIMS B	(German)	EPBBF1	364
CLAIMS B	(French)	EPBBF1	411
SPEC B	(English)	EPBBF1	6054
Total word count - document A			0
Total word count - document B			7187
Total word count - documents A + B			7187

INTERNATIONAL PATENT CLASS: G06F-009/46 ...

...G06F-015/16

...ABSTRACT A2

A procedure which allows users of a computer system comprising a plurality of **computers** connected in a local area **network** to share both file resources and application programs on the local area network without modification to existing programs which were designed to run in a non-network environment is disclosed. The local area **network** comprises a server **computer** and at least one remote **computer**. Starting the **network** comprises an initial program load of the operating system for each of the **computers**, loading the local area **network** control program, and then loading a hypervisor or "node enabler" program. At each of the remote computers, a request to load a program or access...

...can be run on the network without conflicts with other systems including the server computer. The server computer also maintains a list of currently running **programs** and **accessed** data files. By comparing the **remote** computer request with the **program** matrix and the list of currently running programs and accessed data files, a decision to grant a remote computer's request is made. In addition, by recording a unique identification number for each remote **computer** signed on to the **network** at the server **computer**, control of access to licensed programs is maintained. ...

...SPECIFICATION different CPUs independently of each other, but they may share I/O devices.

The subject invention was conceived as a result of having a large **number** of **computer** software application programs which were designed to execute in a single user environment and needed to migrate to a

multi-user/multi-tasking operating environment did not support file sharing or record locking, so any **attempt** to modify the application programs to support these features would require compiler changes or adhoc assembler calls to accomplish the file support **required**. A further **complication** to the task was the fact that, due to the large number of application programs, no one person nor computer system understood how each **program** was using the data files **accessed** by the **programs**. Some of the application programs required temporary work files. When the same program was running on two different systems using a temporary file with a...

...network used for implementation was the IBM Local Area Network (LAN) for the IBM Personal Computer. It supports two basic types of logical systems: server **systems** which share their devices with other **computers** on the **network**, and remote systems which use devices attached to the server systems. The server systems generally provided access to their disk files and printers to **remote** systems. The **caveat** to this protocol was when files were concurrently required by other systems, the default was non-share; i.e., **only** one **computer** system and its application program at a time could open a non-share file. When multiple application programs across multiple systems required file access, a...execution of a program, the user table in the server system is updated to reflect this new piece of control information. If a conflict during **program** loading is received by the **remote** system, a message is **placed** on the **user**'s display screen inviting them to **retry** the request until the conflict is resolved or to cancel the current program load request.

Second, all file open requests are intercepted by the hypervisor...

...of earlier programming techniques employed. Further, the names of temporary work files might be changed to enhance the concurrency aspect of the applications in a **network** /multi-tasking **environment**. Under certain conditions when an application is reading or writing selected application control file records, these requests are also intercepted by the hypervisor and the record is changed as the multi-user environment dictates.

Further in the practice of the invention, as a matter of **program** **control** certain application **programs** are not allowed to **execute** on **remote** **computer** systems but only on the **server** /resource manager **computer** system.

As an additional level of program usage control, the issue of insuring that only properly licensed **users** could successfully **operate** on the **network** needed to be **considered**. The user can purchase the base applications (any where from 70 to 400 programs) and can then install the programs on the server system as in any single user **computer** **system** application. In order for additional users to operate within the network environment, each additional user is required to purchase an application network authorization diskette. Each...

...is as follows. Each remote user is required to make a copy of their network authorization diskette. The original of the network authorization diskette is **used** by the person **operating** on the **server** system, and the copy is used by the first remote computer system. Before any remote users could start using application programs, the server system is required to start its **network** hypervisor. **Only** then can any of the remote systems successfully start their hypervisors. As the remote systems start, their unique network diskette serial number is sent to...

...also provides for recognition of remote computer systems disconnecting or removing themselves gracefully from the network and appropriately logs these systems off of the application **network**.

One advantage of this **method** is that the program code which distributes or "enables" the execution of function remotely from the server is an individual **program** which is loaded into each **remote** computer. The same is true for the program code which is entered into the server computer. The "node enabler" product, as the two programs may...

...following detailed description of a preferred embodiment with reference

to the drawings, in which:

Figure 1 is a simplified block diagram showing a local area **network** composed of a server **computer** and one remote or requestor node with the "node enabler" product installed; and

Figures 2 to 10 are logic flow diagrams showing the details of...

...the drawings. As illustrated in Figure 1, a local area network is comprised of at least two computers 10 and 12 connected via a communications **network** 14. One of these **computers** 10 is designated as the server, and it includes storage devices 16 for storing data files and application programs which are to be available for access on the **network**. The other **computer** 12 is designated as a remote or requestor node and it too may include storage devices 18 for storing a subset of programs, although these programs would not be shared on the network. Further, as indicated in Figure 1, the base product or licensed application program 20 is installed on the server **computer**. The "node enabler" program 22 with a license under the base product 20 is installed on the requestor node 12 and entitles the requestor node to **run** the application program.

The process of starting **computer** systems on a **network** consists of starting the operating system, otherwise known as Initial Program Load (IPL), starting the PC Network (i.e., the LAN software), and starting the ...

...is what has been referred to as the "node enabler" and functions slightly differently depending on whether it is running either the server system or the remote system.

On the server system, there are two parts to the hypervisor. The first part acts as an extension to the PC Network, via its post...

...to go through the network. This is because the server system could also have a user running an application on the computer system.

On the remote system, the hypervisor intercepts appropriate operating system calls from the application programs and converts them to a form acceptable to file sharing and record locking techniques of the operating system. The operating system then directs any file and program requests to the server system that could not be satisfied locally. Any special data control block information required by the post routine is generated and passed to the server system by the PC network program.

The hypervisor is distributed on a diskette for personal computers such as the IBM PC. Each diskette has a unique serial number encoded in a file named SERIAL. For each remote system that a user...

...a call to the server base and checks the control block for a request to establish the remote computer as a new user on the **network**. Within the control block is a user serial number which should conform to a set pattern (such as a check sum). The decision in decision block D2 insures that...

...other hand, if the outcome of decision block D3 is true, then decision block D4 insures that the host or server system is not currently **running** a program which requires the use of dedicated host resources. If the outcome of decision block D4 is true, the control block is reformatted in function block P3...

...and will not accept any remote stations to log on at this time. Once again, the contents of the control block are returned to the remote system which initiated the request. On the other hand, if the outcome of decision block D4 is false, the control block is reformatted in function block P4 to indicate the remote system has successfully the event a remote **computer** is powered off or restarted via an IPL, the network control program will supply a control block with the appropriate remote system's address. The decision in decision block D5 checks for...

...CLAIMS B1

1. A method for allowing one or more remote computers to execute one or more application programs and to share data files under the control

of a server computer (10) connected in a network (14) with said one or more remote computers (12) without modification of existing application programs which were designed to run in a non-network environment comprising:

- establishing at said server computer a program matrix with entries indicating whether a program can be run while another program or group of programs are being run on the network ;
- maintaining at said server computer a list of the programs currently being run on the network and data files currently being accessed or otherwise not available for access (P10, P12, P13);
- transmitting to said server computer from each remote computer a...

...provide an indication that the remote computers are authorized to use application programs and access data files (P4);

- converting a data management request originating at said server computer or one of said remote computers into a file sharing and record locking protocol request message;
- transmitting said file sharing and record locking protocol request

...

...computers to said server computer;

- checking said program matrix and said list to determine (P7) if said request message poses a conflict with a currently running program ; and
- checking the recorded unique identifications of the remote computers to determine if the remote computer which transmitted said request message is authorized to run an application program or access a data file (D2,D3,D4).

2. The method according to claim 1 characterized in that it further comprises:

- granting said request message if the

10/3,K/32 (Item 32 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2001 European Patent Office. All rts. reserv.

00235011

**SECURE COMPUTER SYSTEM.**

**GESICHERTES RECHNERSYSTEM.**

**SYSTEME INFORMATIQUE AVEC SECURITE.**

PATENT ASSIGNEE:

PHILIPSZ, Basil Eliseus, (849090), 4A Erlington Avenue Firwood,  
Manchester M16 0FW, (GB), (applicant designated states: GB;LU;NL;SE)

INVENTOR:

PHILIPSZ, Basil Eliseus, 4A Erlington Avenue Firwood, Manchester M16 0FW  
, (GB)

LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 236412 A1 870916 (Basic)  
EP 236412 B1 920429  
WO 8701835 870326

APPLICATION (CC, No, Date): EP 86905362 860911; WO 86GB541 860911

PRIORITY (CC, No, Date): GB 8522569 850912

DESIGNATED STATES: GB; LU; NL; SE

INTERNATIONAL PATENT CLASS: G06F-001/00

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	713
CLAIMS B	(German)	EPBBF1	665
CLAIMS B	(French)	EPBBF1	744
SPEC B	(English)	EPBBF1	7781
Total word count - document A			0
Total word count - document B			9903



Total word count - documents A + B 9903

INTERNATIONAL PATENT CLASS: G06F-001/00

...SPECIFICATION The system can prevent an unauthorised user of a program accessing a network or multi-user computer system;

(6) The system can prevent users on **networks of computers**, either local networks or **remote networks**, from illegally **executing programs** or accessing databases for which they do not have appropriate access privileges;

(7) The system can limit physical access to or the processing of specific...

10/3,K/33 (Item 33 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00208684

Communication control apparatus.

Übertragungssteuervorrichtung.

Appareil de commande de communications.

PATENT ASSIGNEE:

KABUSHIKI KAISHA TOSHIBA, (213130), 72, Horikawa-cho Saiwai-ku,  
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LEGAL REPRESENTATIVE:

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Patentanwalte Arabellastrasse 4, W-8000 Munchen 81, (DE)

PATENT (CC, No, Kind, Date): EP 217351 A2 870408 (Basic)

EP 217351 A3 890607

EP 217351 B1 911121

APPLICATION (CC, No, Date): EP 86113403 860930;

PRIORITY (CC, No, Date): JP 85216840 850930

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-015/16 ; G06F-013/42 ; G06F-009/44

ABSTRACT WORD COUNT: 84

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	456
CLAIMS B	(German)	EPBBF1	365
CLAIMS B	(French)	EPBBF1	539
SPEC B	(English)	EPBBF1	2335
Total word count - document A			0
Total word count - document B			3695
Total word count - documents A + B			3695

INTERNATIONAL PATENT CLASS: G06F-015/16 ...

...G06F-013/42 ...

...G06F-009/44

...SPECIFICATION added.

In order to attain the above objects, a communication control apparatus according to the present invention includes a transmit-receive circuit connected to a **computer network** so as to communicate between the local station and other remote stations, a rewritable storage unit in which a communication program is stored, a comparison unit for determining...

...than that of the communication control program stored in the storage unit, and a controller for allowing the local station and a remote station to **communicate** therebetween using a communication **control**

**program** of the **latest** version compatible therebetween on the basis of the output of the comparison unit. This allows smooth communication between stations where different versions of the program...

...CLAIMS B1

1. A communications control apparatus provided in each computer system for communication between **computer** systems linked by a **computer network** comprising a transmit-receive circuit (1) connected to said **computer network** so as to communicate between the local station and other remote stations characterized in that said communication control apparatus comprises a rewritable storage unit(4...

...than that of the communication control program stored in said storage unit; and  
a controller(3) for performing communication between said local station and a **remote** station using a communication **control program** of the latest version compatible therebetween on the basis of an output of said comparison unit.

2. A communication control apparatus as set forth in...

10/3,K/34 (Item 34 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00170004

**Maintenance subsystem for computer network.**

**Wartungssystem fur Rechnernetzwerk.**

**Sous-systeme de maintenance pour reseau de calculateurs.**

PATENT ASSIGNEE:

UNISYS CORPORATION, (842794), Township Line and Union Meeting Roads P.O. Box 500, Blue Bell, PA 19424-0001, (US), (applicant designated states: DE;FR;GB;NL)

INVENTOR:

Andreasen, David A., 882 Goshen Rd., Newton Square PA 19073, (US)  
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Buggert, Jerrold E., 29682 Orinda, San Juan Capistrano 92675, (US)  
Desai, Harshad K., 21901 Calderas Street, Mission Viejo CA 92691, (US)  
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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 179425 A2 860430 (Basic)  
EP 179425 A3 880831  
EP 179425 B1 930526

APPLICATION (CC, No, Date): EP 85113330 851021;

PRIORITY (CC, No, Date): US 664670 841025

DESIGNATED STATES: DE; FR; GB; NL

INTERNATIONAL PATENT CLASS: G06F-011/22

ABSTRACT WORD COUNT: 141

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1424
CLAIMS B	(German)	EPBBF1	1377
CLAIMS B	(French)	EPBBF1	1687
SPEC B	(English)	EPBBF1	14799
Total word count - document A			0
Total word count - document B			19287
Total word count - documents A + B			19287

INTERNATIONAL PATENT CLASS: G06F-011/22

...SPECIFICATION remote support-diagnostic center via a power control card

unit said power control card unit means including:  
protocol circuit means providing bidirectional communication with  
said **remote** support center means;  
means to **execute instructions** for powering on or powering off  
any said connected unit in said **computer network** ;  
means to detect power failures in the power modules of any said unit  
connected in the computer network;  
means to transmit power status information to...

10/3,K/35 (Item 35 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00382193

**METHOD AND APPARATUS FOR RATE GOVERNING COMMUNICATIONS**  
**PROCEDE ET DISPOSITIF PERMETTANT DE CONTROLER DES COUTS DE COMMUNICATIONS**

Patent Applicant/Assignee:

MOTOROLA INC,

Inventor(s):

EGGLESTON Gene,

HANSEN Mitch,

KREBS Richard,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9722936 A1 19970626

Application: WO 96US19689 19961212 (PCT/WO US9619689)

Priority Application: US 95574528 19951219

Designated States: CA CN GB

Publication Language: English

Fulltext Word Count: 9856

Main International Patent Class: **G06F-013/00**

International Patent Class: **G06F-13:10**

Fulltext Availability:

Detailed Description

Detailed Description

... second data processing device (e.g., a host system). The session-oriented communication protocol (including network and application layer protocols) with the host system permits **remote access** to, e.g., LAN-based **applications**, while the virtual session, via a sessionless-oriented communication protocol, between the VSM and remote (i.e., coupled via a tariffed **network** or connection) **client** permits this access to be carried out without the expense of a dedicated/circuit switched connection.

In a second main embodiment, a prestage filter stage...

10/3,K/36 (Item 36 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00380434

**DATABASE ACCESS**

**ACCES A UNE BASE DE DONNEES**

Patent Applicant/Assignee:

BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY,

JAMES Derek Robert,

Inventor(s):

JAMES Derek Robert,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9721177 A1 19970612

Application: WO 96GB2977 19961202 (PCT/WO GB9602977)

Priority Application: GB 95308682 19951201

Designated States: AU CA CN JP KR MX NO NZ SG US AT BE CH DE DK ES FI FR GB

GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 10354

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... present invention may be implemented.

A fileserver 100, for example a computing platform running the UNIX operating system, runs network and database management system (DBMS) **software** suitable for providing **remote** database **access** to a plurality of **clients** 130 1 5 over a **network** 140. In this description, unless otherwise stated, the term "client" will be used to describe both the physical **computer** 130 connected to the **network** 140 and an operator of the **computer**. In a local area **network** environment, a suitable network might be an Ethernet network running

10/3,K/37 (Item 37 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00377775

A METHOD AND APPARATUS FOR MAKING A HYPERMEDIUM INTERACTIVE

PROCEDE ET APPAREIL PERMETTANT DE RENDRE INTERACTIF UN VOLUME A HYPERLIENS

Patent Applicant/Assignee:

CITRIX SYSTEMS INC,

Inventor(s):

MUIR Jeff,

STERGIADES Andrew L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9718518 A1 19970522

Application: WO 96US17937 19961108 (PCT/WO US9617937)

Priority Application: US 95556623 19951113

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW

MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD

SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU

MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 3017

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... the next connection.

Fig. 2 depicts the operation of the system in more detail. Initially, the client agent 72 is registered (Step 1) with the **network** browser 64 of the **client** node 10 and an entry is made in the network browser's registration file 88 (Fig. 1). This entry permits the **network** browser 64 to start the **client** agent 72 whenever a given file type is requested by the hyperlink 48, 56 of the hypermedium 40. In this case the client agent 72 is designed to permit a user on the client node 10 to **execute** and interact with a **remote** **application** 3 6 on an **application** execution server node 24. The client agent 72 would be registered with the network browser 64 such that whenever a hyperlink 48, 56 requested the given file type (for example RMT for remote execution) from the network browser 64, the **network** browser 64 would start the **client** agent 72 which would permit **remote** **execution** and interaction with an **application** 36 resident on an application execution server 24. The invoking of the client agent 72 is discussed in more detail below. Next, when a user...

10/3,K/38 (Item 38 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00364066

**TRANSACTION LOG MANAGEMENT IN A DISCONNECTABLE COMPUTER AND NETWORK  
GESTION DES RELEVES DE MOUVEMENTS DANS UN ORDINATEUR ET UN RESEAU POUVANT  
ETRE DECONNECTES**

Patent Applicant/Assignee:

NOVELL INC,  
FALLS Patrick T,  
COLLINS Brian J,  
DRAPER Stephen P W,

Inventor(s):

FALLS Patrick T,  
COLLINS Brian J,  
DRAPER Stephen P W,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9704391 A1 19970206  
Application: WO 96US11903 19960718 (PCT/WO US9611903)  
Priority Application: US 951245 19950720

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB

GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ  
PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG  
AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 19718

Main International Patent Class: G06F-011/14

International Patent Class: G06F-09:46 ...

...G06F-17:30

Fulltext Availability:

Detailed Description

Detailed Description

... stored on these media are not necessarily conven-  
tional even though the associated devices and controllers 54  
may themselves be known in the art.

Each **computer** 40 also has a **network** link manager 50 that  
is capable of establishing a **network** connection 52 with another  
disconnectable **computer** 40, Suitable **network** link managers 50  
include those capable of providing remote procedure calls or an  
equivalent communications and **control** capability. one  
embodiment utilizes "DataTalk" **remote** procedure call, **software**  
with extended NetWare Core Protocol calls and provides  
functionality according to the following interface.

rpc.inito Initialize RPC subsystem  
rpc@  
shutdownno Shutdown RPC subsystem  
rpc...

10/3,K/39 (Item 39 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00364058

**SHARED VIRTUAL DESKTOP COLLABORATIVE APPLICATION SYSTEM  
SYSTEME D'APPLICATION COMMUN DE BUREAU VIRTUEL PARTAGE**

Patent Applicant/Assignee:

DIAMOND MULTIMEDIA SYSTEMS INC,

Inventor(s):

WRIGHT Daniel W,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9704383 A1 19970206  
Application: WO 96US11765 19960716 (PCT/WO US9611765)  
Priority Application: US 95503453 19950717  
Designated States: JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
Publication Language: English  
Fulltext Word Count: 11266

Main International Patent Class: G06F-003/14  
Fulltext Availability:  
Detailed Description

Detailed Description

... shared application space.  
2. Description of the Related Art.

With the recent expansion in the variety of information technologies and the distribution of information among **network** interconnected, or inter **networked computer** systems and users, a need has arisen to coordinate the exchange and development of information by users typically at separate and potentially heterogeneous computers systems...

...in the form of a window permits some small conventional degree of flexibility in controlling where underlying data and programs are stored, whether an **application program** is locally or **remotely executed** and whether the display window or windows utilized by the particular application are locally or remotely displayed. Although these degrees of flexibility are conventionally available...

10/3,K/40 (Item 40 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00355328

ADD-IN BOARD WITH ENABLE/DISABLE EXPANSION ROM FOR PCI BUS COMPUTERS  
CARTE ADDITIONNELLE A MEMOIRE ROM A VALIDATION/INVALIDATION POUR  
ORDINATEURS A BUS D'INTERCONNEXION DE COMPOSANTS PERIPHERIQUES (PCI)

Patent Applicant/Assignee:  
INTERNATIONAL BUSINESS MACHINES CORPORATION,  
IBM DEUTSCHLAND INFORMATIONSSYSTEME GMBH,

Inventor(s):  
COHEN Ariel,  
HOLLAND William Gavin,  
LOGAN Joseph Franklin,  
PARASH Avi,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9637842 A1 19961128  
Application: WO 96EP1858 19960503 (PCT/WO EP9601858)  
Priority Application: US 95447022 19950522  
Designated States: CN CZ DE HU JP KR PL RU AT BE CH DE DK ES FI FR GB GR IE  
IT LU MC NL PT SE  
Publication Language: English  
Fulltext Word Count: 9544  
Main International Patent Class: G06F-012/06  
Fulltext Availability:  
Detailed Description

Detailed Description

... of the Expansion ROM usage follows. In the example, the Expansion ROM is used on a token ring add-in board which attaches the PCI **computer** systems to a token ring **network** ,  
The token ring add-in board provides an Expansion ROM which includes code for a "Remote Program Load" function,

Remote Program Load provides the ability...

...the add-in board's Expansion ROM issues a request over the local area network to have a server system send a copy of the **operating system**. As the **remote program** load code receives the **operating system** code, it loads it into the local computer system's main memory and passes control to the operating system when complete.

The vast majority...

10/3,K/41 (Item 41 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2001 WIPO/Univentio. All rts. reserv.

00348333

AN INTEGRATED DEVELOPMENT PLATFORM FOR DISTRIBUTED PUBLISHING AND  
MANAGEMENT OF HYPERMEDIA OVER WIDE AREA NETWORKS  
PLATE-FORME DE DEVELOPPEMENT INTEGREE POUR LA PUBLICATION ET LA GESTION  
REPARTIES D'HYPERMEDIA SUR DES RESEAUX LONGUE PORTEE

Patent Applicant/Assignee:

NAVISOFT INC,

Inventor(s):

DOZIER Linda T,  
WILLIAMS George W V,  
LONG Dave,  
MCKEE Douglas M,  
DAVIDSON James G,  
BRADY Karen,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9630846 A1 19961003

Application: WO 96US1686 19960321 (PCT/WO US9601686)

Priority Application: US 95412981 19950328

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB  
GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AT BE  
CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML  
MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 177634

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... requesting small pages, two requesting large pages). We ran the tests on a local network, with no other traffic, in the following configurations.

NaviServer, Unix **operating** system, on a Hewlett-Packard 715/80 with  
64

Mbytes memory;

Netsite, Unix operating system, on the same H-P 715/80 as above;

CERN...is another MiniWeb that contains a few pages that you will need.

You will now open this MiniWeb and merge it into your main support **web** .

Choose the menu item File@>Open, and open the following NfiniWeb.

<http://navisoft.com/test/example2>

This MiniWeb contains three actual pages, and the rest...

10/3,K/42 (Item 42 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00314327

IMPROVED SYSTEM FOR MONITORING AND REPORTING MEDICAL MEASUREMENTS

SYSTEME AMELIORE POUR CONTROLER ET ETABLIR DES RAPPORTS SUR DES MESURES  
MEDICALES

Patent Applicant/Assignee:

ENACT PRODUCTS INC,  
TACKLIND Christopher A,  
SANDERS Matthew H,  
WALNE Geoffrey B,

Inventor(s):

TACKLIND Christopher A,  
SANDERS Matthew H,  
WALNE Geoffrey B,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9532480 A1 19951130  
Application: WO 95US6525 19950522 (PCT/WO US9506525)  
Priority Application: US 94247727 19940523

Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU  
IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD  
SE SG SI SK TJ TM TT UA US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB  
GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 8638

Main International Patent Class: G06F-019/00

...International Patent Class: G06F

Fulltext Availability:

Claims

Claim

... indicating the

measured status of a physiological characteristic of a patient  
and a time stamp indicating when the measured value was  
determined, to a remote **computer** via a telecommunication  
**network**, with the remote **computer** managing a central data  
base, said system comprising:  
a user input device for generating control  
signals;  
a data memory for storing data;  
a sensor side...

...side telecommunication interface for  
transmitting and receiving data from the telecommunication  
network;  
an interface ID unit for storing an ID code  
uniquely identifying a particular **remote** interface device;  
a micro-controller, responsive to **application**  
**programs** and other data stored in said data memory,, and  
coupled to said sensor side interface to receive a file,  
including a measured value data element ...the transmit file in said  
data memory, and  
said micro-controller for initiating a data transfer protocol  
to transfer said transmit file to said remote **computer** via  
said communication **network** in response to a first control  
signal from said user interface device.  
15a The system of claim 14 further comprising:  
a status indicator for indicating...

10/3,K/43 (Item 43 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00299567

OBJECT-ORIENTED REMOTE PROCEDURE CALL NETWORKING SYSTEM

SYSTEME DE GESTION DE RESEAU ORIENTE OBJET A APPEL DE PROCEDURE A DISTANCE

Patent Applicant/Assignee:

TALIGENT INC,

Inventor(s):

GOLDSMITH Amy M,



GOLDSMITH David B,  
PETTUS Christopher E,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 9517718 A1 19950629  
Application: WO 94US1501 19940311 (PCT/WO US9401501)  
Priority Application: US 93169795 19931220  
Designated States: AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KP KR  
KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA UZ VN AT BE CH DE  
DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN  
TD TG  
Publication Language: English  
Fulltext Word Count: 13115

Main International Patent Class: G06F-009/46  
Fulltext Availability:  
Claims

#### English Abstract

Object-oriented **client** -server facility (CSF) and **networking** service facility (NSF) interfaces implement communication between application programs residing in client and server nodes at a distributed services network. The CSF interface includes remote...

...Accordingly, the API and RPC objects interact with dynamically-configurable protocol stacks within the NSF interfaces to complete the transport mechanism needed by an application **program** on the client node when **accessing** services on a **remote** server node.

#### Claim

... for communication over the communications channel.

13 A client node of a client-server system for implementing remote procedure call (RPC) services over a distributed **computer network**, the **client** node interconnected with a server node via a communications channel to form the **client -server network**, the **client** node comprising:  
(a) an application program for generating service request packets, the application program stored in a memory of the **client** node;  
(b) a **network** adapter for transmitting and receiving the packets over the communications channel;  
10 (c) a processor operating to forward the packets between the application program  
I...

...move the packets to and from the adapter; and  
2 1 (g) a remote stream object for establishing synchronous data stream transactions between the application **program** and the protocol stack, the **remote** stream object and protocol stack **operating** to complete a communications data path within the client node.

14 The client node as recited in claim 13, wherein the plurality of vertically-linked...the nodes over longterm synchronous transactions.

22 A server node of a client-server system for implementing remote procedure call (RPC) services over a distributed **computer network**, the server node interconnected with a client node via a communications channel to form the **client -server network**, the server node comprising:  
(a) a task application program for generating service reply packets, the application program stored in a memory of the server node...

...adapter to move the packets to and from the adapter; and  
(g) a remote stream object for establishing synchronous data stream

transactions between the application **program** and the protocol stack, the **remote** stream object and protocol stack **operating** to complete a communications data path within the server node.

23 The server node as recited in claim 22 , wherein the plurality of vertically-linked...directory service.

36 A method for invoking, and responding to, a remote procedure call (RPC) service request at client and server nodes of a distributed **computer network** , the nodes coupled to a communications network and including operating systems and application ...of the server node; and  
(g) extracting the request from the second data stream using a dispatcher object and passing the request to the server **application** in accordance with the **remote** address for **execution** of the service request.

37 The method as recited in claim 36 , including the step of creating a transport object at the client application for...

10/3,K/44 (Item 44 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00295431

**DATA BACKUP AND RESTORE SYSTEM FOR A COMPUTER NETWORK**  
**SYSTEME DE SAUVEGARDE ET DE RESTAURATION DE DONNEES POUR RESEAU INFORMATIQUE**

Patent Applicant/Assignee:  
ARCADA SOFTWARE,

Inventor(s):

FLETCHER Douglas J,  
DEVOS Steven Robert,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9513580 A1 19950518

Application: WO 94US12915 19941109 (PCT/WO US9412915)

Priority Application: US 93488 19931109

Designated States: CA CN JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 13108

Main International Patent Class: G06F-011/14

English Abstract

A **computer network** having a number of **workstations** running disparate operating systems and a file server having a tape driver for backup and restore of data on the network. The filter server **runs** a generic **remote** file system (GRFS) and workstations **run** GRFS agent **programs** which allow the GRFS file system to access data within a workstation having a given GRFS agent program. The GRFS file system interfaces with each...

10/3,K/45 (Item 45 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00285433

**APPARATUS, METHOD AND SYSTEM FOR PRINTING OF LEGAL CURRENCY AND NEGOTIABLE INSTRUMENTS**

**APPAREIL, PROCEDE ET SYSTEME D'IMPRESSION DE MONNAIE FIDUCIAIRE ET DE TITRES NEGOCIABLES**

Patent Applicant/Assignee:

TSAKANIKAS Peter James,

Inventor(s):

TSAKANIKAS Peter James,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9503582 A1 19950202

Application: WO 94US6343 19940608 (PCT/WO US9406343)  
Priority Application: US 9394905 19930722; US 93174688 19931228; US  
94230254 19940420  
Designated States: AM AU BB BG BR BY CA CN CZ FI GE HU JP KE KG KP KR KZ LK  
LV MD MG MN MW NO NZ PL RO RU SD SI SK TJ TT UA UZ VN AT BE CH DE DK ES  
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 11089

Main International Patent Class: G06F-013/10  
Fulltext Availability:  
Detailed Description

#### Detailed Description

... currency and negotiable instruments over any form of  
communication lines including narrowband and broadband  
global communication networks.

The present invention is directed to a global **computer network** system and process for printing and dispensing legal currency or negotiable instruments at a local or remote location using existing communications lines as a means for accessing a central **computer** . This global **networked computer** system, of the invention, is able to access a centralized computer system using a keypad such as a conventional Touch-Tone telephone, computer keyboard, or other data entry system. A centralized computer system 22, as part of the global **network** , is able to access secondary **computer networks** such as banks, foreign exchange networks, government financial agencies, and credit agencies from a **remote** location. By entering the appropriate **access** codes and personal identification numbers, **instructions** to transfer funds from debit or credit accounts can be made. A centralized computer system 22., as part of the global network, is able...

10/3,K/46 (Item 46 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2001 WIPO/Univentio. All rts. reserv.

00270460

**ARCHIVING FILE SYSTEM FOR DATA SERVERS IN A DISTRIBUTED NETWORK ENVIRONMENT**  
**SYSTEME DE FICHIERS D'ARCHIVAGE POUR SERVEURS DE DONNEES DANS UN**  
**ENVIRONNEMENT INFORMATIQUE REPARTI**

Patent Applicant/Assignee:

LARGE STORAGE CONFIGURATIONS INC,

Inventor(s):

CROUSE Donald D,

COVERSTON Harriet G,

CYCHOSZ Joseph M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9418634 A1 19940818

Application: WO 94US1125 19940131 (PCT/WO US9401125)

Priority Application: US 9312298 19930201

Designated States: CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 21380

Main International Patent Class: G06F-015/40

International Patent Class: G06F-15:403 ...

...G06F-12:08

Fulltext Availability:

Detailed Description

Claims

English Abstract

...on a set of hierarchically selectable archival attributes selectively

assigned to each remote file (42). The archiving file system is completely transparent to the user **program** (22) and **operates** on **remote** files (42), by providing a different file control program (40) and a different file structure on the network data server (14), without the need to...

...native to a particular operating system program (20) executing on the user nodes (10) or the standard network file interfaces (34) executing on the distributed **computer network** environment (12). ...

#### Detailed Description

... Leffler, McKusich, Karels and Quarterman, The Design and Implementation of the 4.3 BSD Unix® Operating System, (1990), Chpt. 7, pp. 187

In a traditional **computer** processing system that is not **networked**, the secondary storage system is directly connected to the computer processor(s), and the user program uses the same procedures in the file system to access all files stored on the secondary storage system. In a distributed **computer network** environment, however, the user program must be able to access both local files, i.e. files stored on secondary storage systems directly connected to the...

...as remote

files, i.e., files stored on secondary storage systems that are accessed via a

distributed network. To accommodate this need to allow user **programs** to **access** both local and **remote** files in a distributed **computer**

**network**

environment,, certain standardized remote file access capabilities have been added as an additional software interface layer on top of the traditional file **control program**. Examples of **remote** file interfaces for a

distributed **computer network** environment using the System V operating system include: Network File System (NFS) and Remote File System (RFS). For a general background on remote file access in **networked computer** processing systems, reference is made to Kochan, S., Unix Networking, Chpts. 4 and 7 (1989) Hayden Books, pp. 93-132 and 203

As the popularity of distributed **computer networks** has increased, the demand to store ever increasing volumes of data as remote files has also increased. In response to this demand, a number of...

...like a traditional secondary storage device; rather they are connected to the distributed network itself. Examples of current large capacity data servers for a distributed **computer network** environment using the System V operating system include: the Epoch-1 InfiniteStorage™ Server available from Epoch Systems, Inc., Westborough, Massachusetts; the UniTree™ Virtual Disk System...the long-term storage of and access to remote files stored on network data servers. The archiving file system is completely transparent to the user **program** and **operates** on **remote** files by providing a different file control program and a different file structure on the network data server, without the need to modify the standard...

...system that is native

to a particular operating system program executing on the user nodes or the standard network file interfaces executing on the distributed **computer network** environment.

The archiving file system of the present invention comprises a unique archiving file structure for logically storing the remote files on the secondary storage...

#### Claim

I 1. A file system that is part of an operating system program executing in a distributed **computer** processing **network** having a plurality of

**computer** processors operably connected to one or more data servers each comprised of a remote secondary storage system for storing one or more remote files of...

...means for each data server for storing an identifying name for each remote file stored on that data server and a pointer to a unique **control** structure means for that **remote** file; and

**program** means for responding to a plurality of file requests from one or more computer programs executing on the distributed **computer** processing **network** to operate on an indicated one of the remote files by selectively accessing the directory structure means and the control structure means for the data...

10/3,K/47 (Item 47 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00246224

AN INTEGRATED REMOTE EXECUTION SYSTEM FOR A HETEROGENOUS COMPUTER NETWORK ENVIRONMENT

SYSTEME D'EXECUTION A DISTANCE INTEGRE POUR UN ENVIRONNEMENT DE RESEAUX INFORMATIQUES HETEROGENES

Patent Applicant/Assignee:

AGGREGATE COMPUTING INC,

Inventor(s):

WRABETZ Joan M,

MASON D Dean Jr,

GOODERUM Mark P,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9320511 A1 19931014

Application: WO 93US3106 19930331 (PCT/WO US9303106)

Priority Application: US 92861271 19920331

Designated States: AU CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 18033

Main International Patent Class: G06F-012/00

International Patent Class: G06F-09:44 ...

...G06F-15:16 ...

...G06F-15:46

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... E., Mishkin, N., Pato, J., and Wyant, G., Network Computing Systems Reference Manual, Prentice Hall, Englewood Cliffs, N.J. (1990).

The primary differences between an **application** -level **remote execution** service and an **rpc** facility are found in the ways in which the execution of remote tasks are managed, especially the kinds of tasks which...

...is maturing to the point-where there are a growing number of applications that could take advantage of the distributed processing capabilities of a heterogenous **computer network**, there presently are no distributed computing tools that can easily and intelligently implement a seamless and transparent remote execution service in a heterogenous **computer network** environment. Although prior art remote execution services have operated somewhat effectively in a homogenous network environment, they have been difficult to implement effectively in a...1, all of the computer processors are executing the same version of the operating system program 16. In addition, all of the identical operating system **programs** 16 contain an identical **remote execution** facility, rex 18. By contrast, in the

heterogenous **network** shown in Fig. 2, different **computer** processors can be executing different versions of the same operating system program 17a or 17b, or even a different operating system program 17c. Because the ...

Claim

... between the interface means and the remote execution service.

18 An integrated method for providing resource management and distributed remote execution services in a heterogenous **computer network** environment having a plurality of resources loosely coupled to each other in the network environment, the resources including at least two or more computer processors...

...service;

(c) in a computer processor operably associated with the resource information database, performing the steps of:  
(c1) receiving the resource query for the **remote execution** service from the **application program** ,  
(c2) analyzing the database to determine@ which of the resources in the network environment match the query parameters and are available to satisfy the resource...the operating system programs are different versions of Unix-based operating system programs.

28 A method for managing distributed remote execution services in a heterogenous **computer network** environment having a plurality of resources loosely coupled to each other in the network environment, the resources including at least two or more computer processors resource query for the **remote execution** service from the **application program** ,  
(c2) analyzing the database to determine which of the resources in the network environment match the query parameters and are available to satisfy the resource...

...each resource in a resource definition database associated with the resource information database.

33 A method for servicing distributed remote execution requests in a heterogenous **computer network** environment having a plurality of resources loosely coupled to each other in the network environment, the resources including at least two or more computer processors...

...resource request including information necessary to perform the remote execution service; and

(b) for each of the selected computer processors that is to perform the **remote execution** service, **executing** a first **program** on the selected computer processor to control communication with the remote execution interface that has sent the resource request to perform the steps of.  
(b1...

...interface, and

(b2) monitoring the status of the remote execution service; and  
(c) for each of the selected computer processors that is to perform the **remote execution** service, **executing** a second **program** that is initiated by the first program to perform the remote execution service in response to the resource request

10/3,K/48 (Item 48 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00222780

MANAGEMENT INTERFACE AND FORMAT FOR LICENSE MANAGEMENT SYSTEM  
INTERFACE DE GESTION ET FORMAT POUR SYSTEME DE GESTION DE LICENCES

Patent Applicant/Assignee:

DIGITAL EQUIPMENT CORPORATION,

Inventor(s):

WYMAN Robert Mark,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9220022 A1 19921112

Application: WO 92US3812 19920506 (PCT/WO US9203812)

Priority Application: US 91652 19910508; US 91456 19910628; US 91840  
19910628; US 91457 19910628

Designated States: AT AT AU BB BE BF BG BJ BR CA CF CG CH CH CI CM CS DE DE  
DK DK ES ES FI FR GA GB GB GN GR HU IT JP KP KR LK LU LU MC MG ML MR MW  
NL NL NO PL RO RU SD SE SE SN TD TG

Publication Language: English

Fulltext Word Count: 28998

Main International Patent Class: G06F-001/00

Fulltext Availability:

Detailed Description

Detailed Description

... for all such products.

- 31

Distributed computing systems present additional licensing issues. A distributed system includes a number of processor nodes tied together in a **network** of servers and **clients**. Each node is a processor which may execute programs locally, and may also execute programs or features (subparts of **programs**) via the network. A **program** **executing** on one node may make **remote** procedure calls to procedures or **programs** on other nodes. In this case, some provision need be made for defining a license permitting a program to be executed in a distributed manner...

10/3,K/49 (Item 49 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00125331

**SECURITY AND USAGE MONITORING**

**SURVEILLANCE DE SECURITE ET D'UTILISATION**

Patent Applicant/Assignee:

GUIGNARD Paul,

Inventor(s):

GUIGNARD Paul,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8503584 A1 19850815

Application: WO 85AU16 19850204 (PCT/WO AU8500016)

Priority Application: AU 843451 19840203; AU 847707 19841019

Designated States: AT AU BE BR CH DE DK FI FR GB JP KR LU NL NO SE US

Publication Language: English

Fulltext Word Count: 9742

Main International Patent Class: G06F-011/30

International Patent Class: G06F-11:34

Fulltext Availability:

Claims

Claim

... where many such different required key codes are held,

8\* A method as claimed in any one of the preceding claims further comprising obtaining required **instructions**, information or material from a **remote** location prior to **executing** step (a).

9o A method as claimed in Claim 8 wherein the required instructions, information or material is held

where many such different instructions, information...

...of the preceding

claims wherein the device is a computer and the instructions comprises programmes and the information comprises data and further comprising effecting a **network** arrangement of **computers** and permitting said holding means and said usage register to service and identify each computer.

11\* A method as claimed in any one of Claims...



File 2:INSPEC 1969-2001/Nov W1  
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File 8:EI Compendex(R) 1970-2001/Nov W1  
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(c) 2001 American Mathematical Society  
File 144:Pascal 1973-2001/Nov W1  
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(c) 2001 Cambridge Sci Abs  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 34:SciSearch(R) Cited Ref Sci 1990-2001/Nov W2  
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Set	Items	Description
S1	76936	(REMOTE? OR DISTANCE OR DISTANT? OR TELE) (3N) (EXECUT? OR C- ONTROL? OR RUN? ? OR RUNNING OR ACTUAT? OR ACTIVAT? OR OPERAT? OR SHUTDOWN? OR SHUT????()DOWN OR CLOSE? OR CLOSING OR UPDAT- ???) OR TELECONTROL?
S2	6989332	PROGRAM? ? OR PROGRAMME OR PROGRAMMES OR APPLICATION? OR S- OFTWARE OR INSTRUCTION?
S3	3958049	COMPUTER? OR CPU OR CPUS OR CLIENT? OR TERMINAL? OR WORKST- ATION? OR WORK()STATION? OR DESKTOP? OR DESK()TOP? ?
S4	1957322	ONLINE OR ON()LINE OR INTERNET? OR INTRANET? OR EXTRANET? - OR NETWORK? OR WEB OR LAN OR LANS OR WAN OR WANS OR WAIS
S5	632	S1(5N)S2 AND S3(10N)S4
S6	542	S1(5N)S2 AND S3(5N)S4
S7	401	S6 NOT PY,CY=(1999:2001)
S8	295	S7 NOT PY,CY=(1997:1998)
S9	386	S1(3N)S2 AND S3(3N)S4
S10	287	S9 NOT PY,CY=(1999:2001)
S11	213	S10 NOT PY,CY=(1997:1998)
S12	184	RD (unique items)
S13	159	S12 NOT PY,CY=1996
S14	120	S1(5N)S2/TI,DE AND S3(5N)S4/TI,DE
S15	79	S14 NOT PY,CY=1999:2001
S16	48	S15 NOT PY,CY=1996:1998
S17	47	RD (unique items)
S18	0	AU=(FRESE, V? OR FRESE V?) AND AU=(BLEVINS, W? OR BLEVINS - W? OR BLEVINS, B? OR BLEVINS B?)
S19	244	AU=(FRESE, V? OR FRESE V? OR BLEVINS, W? OR BLEVINS W? OR - BLEVINS, B? OR BLEVINS B?)
S20	0	S19 AND S1(5N)S2
S21	1	S19 AND S1 AND (S3 OR S4)
S22	106	S1(3N)S2/TI,DE AND S3(3N)S4
S23	15	S22 NOT S14
S24	13	S23 NOT PY,CY=1998:2001
S25	13	S24 NOT PY,CY=1996:1997
S26	12	RD (unique items)

17/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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5115193

**Title:** Business role for remote control (remote access software)

**Author(s):** Jarrett, D.

**Journal:** PC User no.269 p.67-8, 70

**Publication Date:** 18-31 Oct. 1995 **Country of Publication:** UK

**CODEN:** PCUSDW **ISSN:** 0263-5720

**Language:** English **Document Type:** Journal Paper (JP)

**Treatment:** Practical (P); Product Review (R)

**Abstract:** Remote control is becoming an attractive option for training, support and even collaborative work, encouraged by the growth of teleworking and the increasing capability of appropriate tools. Until recently, it tended to suffer from crude implementation, plus the sluggish response you get over low-speed networks or slow modem links. Now products such as Farallon Computing's Timbuktu Pro are giving remote control a good name. Timbuktu provides file transfer, remote control and messaging for PCs and Macintoshes running on TCP/IP, IPX and NetBEUI networks. (0 Refs)

**Subfile:** D

**Descriptors:** computer network management; local area networks; software reviews; telecontrol

**Identifiers:** remote access software; Farallon Computing Timbuktu Pro; remote control; file transfer; messaging; PCs; Macintoshes; TCP/IP; IPX; NetBEUI; networks

**Class Codes:** D5020 (Computer networks and intercomputer communications)

Copyright 1995, IEE

17/5/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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03353121 INSPEC Abstract Number: B89032950, C89026888

**Title:** Automatic integrated operation and remote software maintenance for large-scale-distributed computer network systems

**Author(s):** Hirowatari, S.; Matsui, K.; Masukawa, K.

**Author Affiliation:** Fujitsu Ltd., Tokyo, Japan

**Journal:** Fujitsu vol.39, no.6 p.430-7

**Publication Date:** 1988 **Country of Publication:** Japan

**CODEN:** FUJTAR **ISSN:** 0016-2515

**Language:** Japanese **Document Type:** Journal Paper (JP)

**Treatment:** Applications (A); Practical (P)

**Abstract:** The Overall Employment Information System of the Ministry of Labor operates a large-scale-distributed computer network system running automatically without a system operator. This computer network system enables the system management center to execute centralized supervision, remote recovery manipulation in case of system trouble, and remote software maintenance. Thus, this system can be remotely maintained using few personnel. The background of the development, the features, summary explanation, and results of operation are described. (2 Refs)

**Subfile:** B C

**Descriptors:** computer networks ; distributed processing; government data processing; large-scale systems; maintenance engineering; software engineering

**Identifiers:** automatic integrated operation; remote software maintenance; large-scale-distributed computer network systems; Overall Employment Information System; Ministry of Labor; system management center; centralized supervision; remote recovery manipulation

**Class Codes:** B6210L (Computer communications); B0160 (Plant engineering, maintenance and safety); C5620 (Computer networks and techniques); C7130 (Public administration); C6110B (Software engineering techniques)

17/5/3 (Item 1 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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04478024 E.I. No: EIP96083292227

**Title: Time Warner cable's full service network - program management of the FSN virtual organization**

Author: Whitehead, Susan T.; Peterson, Annette N.

Corporate Source: Time Warner Cable/US West, Englewood, CO, USA

Conference Title: Proceedings of the 1996 2nd International Workshop on Community Networking

Conference Location: Princeton, NJ, USA Conference Date: 19950620-19950622

Sponsor: IEEE; ACM SIGCOMM

E.I. Conference No.: 45173

Source: International Workshop on Community Networking, Proceedings 1995. IEEE, Piscataway, NJ, USA, 95TH8097. p 291-298

Publication Year: 1995

CODEN: 002409

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications); G; (General Review)

Journal Announcement: 9610W3

Abstract: When Time Warner chose to pursue its vision of the information superhighway, it was well recognized that this endeavor was a technological undertaking of dramatic proportions. Acknowledging that no one company could solely deliver the multitude of required technologies, Time Warner created a 'virtual organization' of key technology providers. This paper analyzes the challenges and rewards of Program Management within this virtual organization, and presents innovatively adapted Program Management techniques that enabled this program's success. (Author abstract) 6 Refs.

Descriptors: Information technology; Broadband **networks** ; Interactive **computer** systems; Information services; Information management; Real time systems; Computer **software** ; Interfaces (**computer** ); Remote **control** ; Fiber optic **networks**

Identifiers: Full service network; Program network; Information superhighway; Virtual organization; Interactive broadband network; Custom connection management software; Consumer navigational interface software; Multimedia applications

Classification Codes:

723.5 (Computer Applications); 722.4 (Digital Computers & Systems); 903.2 (Information Dissemination); 722.2 (Computer Peripheral Equipment); 731.1 (Control Systems)

723 (Computer Software); 903 (Information Science); 722 (Computer Hardware); 731 (Automatic Control Principles)

72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING); 73 (CONTROL ENGINEERING)

17/5/4 (Item 2 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

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04341320 E.I. No: EIP96023019525

**Title: Remote control of diverse network elements using SNMP**

Author: Aicklen, G.H.; Main, P.M.

Corporate Source: Electrospace Systems, Inc, Richardson, TX, USA

Conference Title: Proceedings of the 1995 Military Communications Conference (MILCOM). Part 2 (of 3)

Conference Location: San Diego, CA, USA Conference Date: 19951105-19951108

Sponsor: IEEE

E.I. Conference No.: 44277

Source: Proceedings - IEEE Military Communications Conference MILCOM v 2 1995. IEEE, Piscataway, NJ, USA, 95CB35750. p 673-677

Publication Year: 1995

CODEN: PMICET

Language: English

Document Type: CA; (Conference Article) Treatment: G; (General Review)

Journal Announcement: 9603W5

Abstract: The Global Network Management System (GNMS) implements monitor and control of diverse, remote systems via the Simple Network Management Protocol (SNMP). A typical GNMS effort brings remote monitoring and control via common off-the-shelf (COTS) network management system (NMS) software to a subsystem that was not designed for such control. Examples are individual radios, antenna systems, DRSN switches, etc. Some systems, such as individual radios, are conceptually simple to control and may have well defined computer interfaces. Other systems, such as shipboard satellite communication and antenna control systems, do not readily fit into the network management model implicit in the definition of SNMP. Remotely managing a variety of systems with widely varying control and monitoring requirements raises serious complexity issues. Innovative Management Information Base (MIB) design, abstraction of proxy agent functions, and attention to operator interface design provide the key to reliable monitor and control of complex systems using the currently standard SNMP. (Author abstract) 3 Refs.

Descriptors: **Network** protocols; **Remote control** ; Network components; **Computer software** ; Telecommunication control; Monitoring; Management information systems

Identifiers: Diverse network elements; Simple network management protocol ; Global network management system

Classification Codes:

722.3 (Data Communication, Equipment & Techniques); 731.1 (Control Systems); 723.1 (Computer Programming)

722 (Computer Hardware); 731 (Automatic Control Principles); 723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING)

17/5/5 (Item 3 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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04338045 E.I. No: EIP96013014202

**Title: Wireless gateway for fieldbus**

Author: Morel, Philippe; Croisier, Alain

Corporate Source: Swiss Federal Inst of Technology, Lausanne, Switz

Conference Title: Proceedings of the 1995 6th IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC'95. Part 1 (of 3)

Conference Location: Toronto, Can Conference Date: 19950927-19950929

Sponsor: IEEE

E.I. Conference No.: 44246

Source: IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC v 1 1995. IEEE, Piscataway, NJ, USA, 95TH8135. p 105-109

Publication Year: 1995

CODEN: 002295

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications)

Journal Announcement: 9603W4

Abstract: In this article we study wireless communications within the context of industrial applications left bracket 2 right bracket . The question of interest is whether or not wireless connections can be used for accessing distant sensors and actuators through fieldbus left bracket 8 right bracket . The question of interest is wherein the bandwidth of currently available wireless connections allow the access to distant sensors/actuators through a fieldbus protocol. The paper describes a gateway design for the extension of a FIP standard fieldbus through a narrowband radio channel. The performance limit is evaluated and an example given for a 9600 bps channel. (Author abstract) 10 Refs.

Descriptors: Radio communication; Gateways (**computer networks** ); Industrial **applications** ; **Remote** sensing; Sensors; **Actuators** ; Bandwidth; Network protocols; Standards; Communication channels (information theory)

Identifiers: Wireless gateway; Fieldbus; Factory information protocol

Classification Codes:

716.3 (Radio Systems & Equipment); 723.5 (Computer Applications); 732.2

(Control Instrumentation); 732.1 (Control Equipment); 902.2 (Codes & Standards); 716.1 (Information & Communication Theory)  
716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software);  
732 (Control Devices); 902 (Engineering Graphics & Standards)  
71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING); 90 (GENERAL ENGINEERING)

17/5/6 (Item 4 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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04276565 E.I. No: EIP95112910903

**Title: Distributed PBXs: big benefits, little boxes**

Author: Taylor, Kieran

Corporate Source: Data Communications

Source: Data Communications v 24 n 14 Oct 1995. 4pp

Publication Year: 1995

CODEN: DACODM ISSN: 0363-6399

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: 9512W4

Abstract: Today's PBXs put the processing power where it's needed on an enterprise network. They are smaller, more versatile, easier to manage and loaded with features. Because of these, modular PBXs are catching on in a big way with corporate networkers. With their ability to handle both voice and data, the new PBXs are a comfortable fit for the computer telephony integration.

Descriptors: Voice/data communication systems; Private telephone exchanges; Wide area **networks** ; Gateways (**computer networks** ); **Computer software** ; Asynchronous transfer mode; Interfaces (computer); **Remote control** ; Information management; Switching

Identifiers: Computer telephony integration; Automatic call distribution; Client-server computing; Network management; Interactive voice response

Classification Codes:

722.3 (Data Communication, Equipment & Techniques); 718.1 (Telephone Systems & Equipment); 716.1 (Information & Communication Theory); 723.1 (Computer Programming); 722.2 (Computer Peripheral Equipment); 912.2 (Management)

722 (Computer Hardware); 718 (Telephone & Line Communications); 716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software); 912 (Industrial Engineering & Management)

72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS); 91 (ENGINEERING MANAGEMENT)

17/5/7 (Item 5 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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04242076 E.I. No: EIP95092844166

**Title: Distributed management by delegation**

Author: Goldszmidt, German; Yemini, Yechiam

Corporate Source: Columbia Univ, New York City, NY, USA

Conference Title: Proceedings of the 15th International Conference on Distributed Computing Systems

Conference Location: Vancouver, Can Conference Date: 19950530-19950602

Sponsor: IEEE Computer Society

E.I. Conference No.: 43505

Source: Proceedings - International Conference on Distributed Computing Systems 1995. IEEE, Piscataway, NJ, USA, 95CH35784. p 333-340

Publication Year: 1995

CODEN: PICSEJ

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications)

Journal Announcement: 9510W5

Abstract: This paper introduces a novel approach to distributed computing based on delegation-agents, and describes its applications to decentralize

network management. Delegation agents are programs that can be dispatched to remote processes, dynamically linked and executed under local or remote control. Unlike scripted agents, delegation agent programs may be written in arbitrary languages, interpreted or compiled. They can thus be more broadly applied to handle such tasks as real-time monitoring, analysis and control of network resources. Distributed management by delegation (MbD) uses this to manage remote elements and domains. MbD provides a paradigm for distributed, flexible, scalable and robust network management that overcomes the key limitations of current centralized management schemes. (Author abstract) 13 Refs.

Descriptors: Distributed computer systems; Computer **software** ; **Remote control** ; Computer programming languages; Real time systems; **Computer networks** ; Resource allocation; Data communication systems; Network protocols; Telecommunication services

Identifiers: Distributed management; Delegation agents; Real time monitoring; Elastic process runtime environment; Multithreaded execution environment; Interprocess communications; Remote delegation protocol; Remote language interpreter

Classification Codes:

723.1.1 (Computer Programming Languages)  
722.4 (Digital Computers & Systems); 731.1 (Control Systems); 723.1 (Computer Programming); 722.3 (Data Communication, Equipment & Techniques); 912.2 (Management); 723.3 (Database Systems)  
722 (Computer Hardware); 731 (Automatic Control Principles); 723 (Computer Software); 912 (Industrial Engineering & Management)  
72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING); 91 (ENGINEERING MANAGEMENT)

17/5/8 (Item 6 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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04201277 E.I. No: EIP95062761435

**Title: Monitoring and controlling remote parallel computations using Schooner**

Author: Chen, Zhanliang; Schlichting, Richard D.

Corporate Source: Univ of Arizona, Tucson, AZ, USA

Conference Title: Proceedings of the IEEE 9th International Parallel Processing Symposium

Conference Location: Santa Barbara, CA, USA Conference Date: 19950425-19950428

Sponsor: IEEE

E.I. Conference No.: 43165

Source: IEEE Symposium on Parallel and Distributed Processing - Proceedings 1995. IEEE, Los Alamitos, CA, USA, 95TH8052. p 614-620

Publication Year: 1995

CODEN: PSPDF8 ISSN: 1063-6374

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications); T ; (Theoretical)

Journal Announcement: 9509W1

Abstract: Scientific visualization systems such as AVS have the potential to help users of parallel systems monitor and control their computations. Unfortunately, the machines most suitable for visualization systems are not the parallel systems on which the computation executes, often leading to the use of two distinct machines and the viewing of results only after the computation has completed. Here, an approach to solving this problem is presented in which AVS and a remote parallel computation are incorporated into a single metacomputation using the Schooner software interconnection system. This scheme gives the user enhanced control, including the ability to dynamically select the parallel platform to be used, monitor the progress of the computation, and modify parameters. (Author abstract) 9 Refs.

Descriptors: Parallel processing systems; Computer **software** ; **Remote control** ; Control systems; Systems analysis; Data transfer; **Computer workstations** ; Problem solving; Neural **networks** ; Monitoring

Identifiers: Scientific visualization systems; Remote parallel

computation; Schooner software interconnection system; Parallel hardware;  
Intel paragon; Heterogeneous distributed program; Metacomputation; Remote  
procedure call

Classification Codes:

722.4 (Digital Computers & Systems); 723.1 (Computer Programming);  
723.5 (Computer Applications); 731.1 (Control Systems); 723.2 (Data  
Processing); 723.4 (Artificial Intelligence)

722 (Computer Hardware); 723 (Computer Software); 731 (Automatic  
Control Principles)

72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING)

17/5/9 (Item 7 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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04145721 E.I. No: EIP95042673477

**Title: Fault tolerance techniques integrating MMS and ISIS**

Author: Fuhrman, Christopher P.; Messina, Silvia; Decotignie, J.-D.

Corporate Source: Swiss Federal Inst of Technology, Lausanne, Switz

Conference Title: Proceedings of the 1994 IEEE Symposium on Emerging  
Technologies & Factory Automation

Conference Location: Tokyo, Jpn Conference Date: 19941106-19941110

Sponsor: SEIKEN; IEEE IES

E.I. Conference No.: 42911

Source: Novel Disciplines for the Next Century IEEE Symposium on Emerging  
Technologies & Factory Automation 1994. IEEE, Piscataway, NJ, USA, 94TH8000.  
p 297-303

Publication Year: 1994

CODEN: 002020

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications)

Journal Announcement: 9506W3

**Abstract:** Fault tolerance and interoperability in a heterogeneous  
environment are two important concerns in distributed industrial  
applications. The Manufacturing Message Specification (MMS) was designed to  
standardize and facilitate the remote control and monitoring of industrial  
devices made by different vendors. Software such as the ISIS Distributed  
Toolkit makes the task of providing fault tolerance easier for the  
application programmer. In this paper, we study a realistic, industrial  
scenario that has been supplied to us by an actual car manufacturing  
company. We make use of MMS to implement the scenario. Then, we analyze  
some methods of adding fault tolerance into the scenario by using the ISIS  
toolkit, as well as other fault-tolerant algorithms on top of MMS. We  
discuss the results of an actual implementation of these methods and show  
how the scenario requirements have been satisfied. (Author abstract) 9  
Refs.

**Descriptors:** Factory automation; Fault tolerant computer systems;  
Industrial applications ; Remote control ; Monitoring; Computer  
software ; Automobile manufacture; Assembly; Computer networks ;  
Database systems

**Identifiers:** Manufacturing message specification; Terminal server; Real  
life scenario; Terminals; Assembly task; Application server; Information  
flow; Serial communications device

Classification Codes:

913.4.2 (Computer Aided Manufacturing)

913.4 (Manufacturing); 722.4 (Digital Computers & Systems); 912.1  
(Industrial Engineering); 731.1 (Control Systems); 662.1 (Automobiles);  
723.1 (Computer Programming)

913 (Production Planning & Control); 722 (Computer Hardware); 912  
(Industrial Engineering & Management); 731 (Automatic Control Principles);  
662 (Automotive Design & Manufacture); 723 (Computer Software)

91 (ENGINEERING MANAGEMENT); 72 (COMPUTERS & DATA PROCESSING); 73  
(CONTROL ENGINEERING); 66 (AUTOMOTIVE ENGINEERING)

17/5/10 (Item 8 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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04095549 E.I. No: EIP95032606052

**Title: Branch-office router with multiple protocols**

Author: Taylor, Kieran M.

Source: Data Communications v 23 n 6 Apr 1994. p 129-130

Publication Year: 1994

CODEN: DACODM ISSN: 0363-6399

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); G; (General Review)

Journal Announcement: 9505W1

**Abstract:** Wellfleet has recently hit the branch-office market with its Access Node branch-office box containing the full protocol stack and capabilities of its bigger siblings. This box offers all the functions found in Wellfleet's enterprise routers. It can send traffic to other sites with an array of wide-area transmission methods as well as frame relay. Since the router complies with PPP it can any router other than Wellfleet routers. This box differs from its enterprise encounters because the remote router dials up the central site to obtain its configuration file thus eliminating the expense of sending tech support near and far to get each box up and running.

**Descriptors:** Data communication equipment; Network protocols; Remote control; Wide area networks ; Computer software ; Local area networks ; Asynchronous transfer mode; Telecommunication links; Interfaces (computer); Telecommunication traffic

**Identifiers:** Branch office box; Remote router; Branch office router; Committed information rates; Protocol prioritization

**Classification Codes:**

722.3 (Data Communication, Equipment & Techniques); 722.4 (Digital Computers & Systems); 723.1 (Computer Programming); 716.1 (Information & Communication Theory); 722.2 (Computer Peripheral Equipment)

722 (Computer Hardware); 723 (Computer Software); 716 (Radar, Radio & TV Electronic Equipment)

72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS)

17/5/11 (Item 9 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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04092502 E.I. No: EIP95022600438

**Title: Visual grasping with long delay time of a free floating object in orbit**

Author: Fagerer, C.; Dickmanns, Dirk; Dickmanns, Ernst D.

Corporate Source: Universitaet der Bundeswehr Muenchen, Neubiberg, Ger

Source: Autonomous Robots v 1 n 1 1994. p 53-68

Publication Year: 1994

CODEN: 001876 ISSN: 0929-5593

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); X; (Experimental)

Journal Announcement: 9505W1

**Abstract:** In the US-German Spacelab mission D2 (April/May 1993) a new level of automation capabilities has been achieved with the ROTEX-'freeflyer'-experiment of DLR. For the first time, a combined human/robotic task force on the ground succeeded in visually controlled tele-grasping of a free floating object on board the Space Shuttle Columbia within a working cell of the German Spacelab by a remotely controlled robot arm. The contributions of UniBwM in the fields of monocular motion-stereo vision, state prediction and fully automatic grasping under long delay times (5 to 7 seconds) are discussed in detail. The successful team jointly consisted of scientists from DLR and UniBwM for decision taking and remote manual control as well as a network of computers representing a robot specialist for visual motion interpretation and prediction including the expertise for delayed feedback, which is hard for humans. (Author abstract) 16 Refs.

**Descriptors:** Robot applications; Manipulators; Computer vision; Human



computer interaction; Robotic arms; Space shuttles; Space applications ;  
**Computer networks ; Remote control ; Feedback**  
Identifiers: Free floating object; Visual motion interpretation;  
Teleoperation; Visual grasping; Spaceflight experiment  
Classification Codes:  
731.6 (Robot Applications); 691.1 (Materials Handling Equipment); 723.2  
(Data Processing); 722.2 (Computer Peripheral Equipment); 655.1  
(Spacecraft, General); 731.1 (Control Systems)  
731 (Automatic Control Principles); 691 (Bulk Materials Handling); 723  
(Computer Software); 722 (Computer Hardware); 655 (Spacecraft)  
73 (CONTROL ENGINEERING); 69 (MATERIALS HANDLING); 72 (COMPUTERS &  
DATA PROCESSING); 65 (AEROSPACE ENGINEERING)

17/5/12 (Item 10 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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04061467 E.I. No: EIP95022563589

**Title:** Remote- control software aids help desk problem resolution

**Author:** Muller, Nathan J.

**Source:** International Journal of Network Management v 4 n 3 Sep 1994. p  
120-129

**Publication Year:** 1994

**CODEN:** INMTEU **ISSN:** 1055-7148

**Language:** English

**Document Type:** JA; (Journal Article) **Treatment:** T; (Theoretical)

**Journal Announcement:** 9504W3

**Abstract:** The in-house help desk can prevent new computer users who may not have basic computer skills from damaging files and possibly tying up network resources. Aside from handling trouble calls from users, help desks can provide such services as order and delivery tracking, asset and inventory tracking, preventive maintenance, and vendor performance monitoring. (Author abstract)

**Descriptors:** Data communication systems; User interfaces; Personnel training; Computer software; Remote readouts; Distributed computer systems; Interactive computer systems; **Computer networks** ; Information management

**Identifiers:** In-house help desk

**Classification Codes:**

722.3 (Data Communication, Equipment & Techniques); 912.4 (Personnel);  
723.2 (Data Processing); 722.4 (Digital Computers & Systems); 903.2  
(Information Dissemination)

722 (Computer Hardware); 912 (Industrial Engineering & Management); 723  
(Computer Software); 903 (Information Science)

72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT); 90  
(GENERAL ENGINEERING)

17/5/13 (Item 11 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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04048087 E.I. No: EIP95012529591

**Title:** Remote operations system tailored to application requirements

**Author:** Chrisment, Isabelle; Huitema, Christian

**Corporate Source:** INRIA, Sophia Antipolis, Fr

**Conference Title:** Proceedings of the IFIP TC6/WG6.5 International Conference on Upper Layer Protocols, Architecture and Applications

**Conference Location:** Barcelona, Spain **Conference Date:**  
19940601-19940603

**E.I. Conference No.:** 42338

**Source:** IFIP Transactions C: Communication Systems C-25 1994. p 33-47

**Publication Year:** 1994

**CODEN:** ITCCE5 **ISSN:** 0926-549X

**Language:** English

**Document Type:** JA; (Journal Article). **Treatment:** T; (Theoretical)

Journal Announcement: 9503W4

**Abstract:** The RPC model has been widely used as it provides a simple paradigm to implement distributed applications. It is not, however, suited to support the great diversity of existing and future applications due to the restrictions imposed by the communication transparency - concerning synchronization and transport functions - inherent to the RPC model. This paper describes ROSTAR, a Remote Operations System Tailored to specific Application Requirements. In ROSTAR application requirements are described using a formal specification. The specification is taken as input by a compiler which then automatically generates the communication module tailored to the application requirements. We have implemented a prototype of ROSTAR. In this prototype, the specification language is a combination of ASN.1 and ESTEREL. The compiler includes an ASN.1 compiler and a ESTEREL compiler. We have found that ROSTAR provides not only a flexible way to specify application requirements and to efficiently generate communication modules tailored to the requirements but also a well-defined programming abstraction. (Author abstract) 34 Refs.

**Descriptors:** Computer hardware description languages; Distributed **computer** systems; Program compilers; **Network** protocols; **Computer** systems programming; User interfaces; Synchronization; Constraint theory; Reliability; Real time systems

**Identifiers:** Remote operations system; Application requirements; Automatic programming; Remote procedure call; Black box; Communication network

**Classification Codes:**

723.1.1 (Computer Programming Languages)  
723.1 (Computer Programming); 722.4 (Digital Computers & Systems);  
722.3 (Data Communication, Equipment & Techniques); 722.2 (Computer Peripheral Equipment); 723.5 (Computer Applications)  
723 (Computer Software); 722 (Computer Hardware)  
72 (COMPUTERS & DATA PROCESSING)

17/5/14 (Item 12 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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03991498 E.I. No: EIP94112444287

**Title:** Remote node or remote control?

**Author:** Durr, Michael

**Corporate Source:** Michael Durr & Associates, Cape Coral, FL, USA

**Source:** Datamation v 40 n 17 Sept 1 1994. p 49-51

**Publication Year:** 1994

**CODEN:** DTMNAT **ISSN:** 0011-6963

**Language:** English

**Document Type:** JA; (Journal Article) **Treatment:** G; (General Review)

**Journal Announcement:** 9501W2

**Abstract:** The application of remote connections has evolved into a crucial aspect of networking communications. The issue is now focused on the appropriate choice between remote-node or a remote-control method for linkage. The remote-node approach is best applied in supporting GUIs while remote-control works with a remote PC and a LAN-attached PC. However, extensibility in remote-node or remote-control selection is highly ideal.

**Descriptors:** Local area **networks** ; Personal **computers** ; **Remote control** ; Telecommunication links; Telecommunication traffic; Computer **software** ; User interfaces; Computer architecture; Security of data

**Identifiers:** Remote node approach; Remote control software; Remote connection

**Classification Codes:**

722.3 (Data Communication, Equipment & Techniques); 722.4 (Digital Computers & Systems); 731.1 (Control Systems); 716.1 (Information & Communication Theory); 723.1 (Computer Programming)  
722 (Computer Hardware); 731 (Automatic Control Principles); 716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software)  
72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING); 71 (ELECTRONICS & COMMUNICATIONS)

17/5/15 (Item 13 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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03590197 E.I. Monthly No: EIM9304-020966

**Title: Uniform remote control of front end processors in PAN-DA.**

Author: Berg, David; Berman, Eileen; MacKinnon, Bryan; Nicinski, Tom; Oleynik, Gene; Petravick, Don; Pordes, Ruth; Sergey, Gary; Slimmer, David; Streets, Jonathan; White, Vicky

Corporate Source: Fermi Natl Accelerator Lab, Batavia, IL, USA

Conference Title: IEEE Seventh Conference Real Time '91 on Computer Applications in Nuclear, Particle and Plasma Physics

Conference Location: Juelich, Ger Conference Date: 19910624

Sponsor: IEEE Nuclear & Plasma Physics Soc

E.I. Conference No.: 16674

Source: IEEE Seventh Conf Real Time 91 Computer Appl Nucl Part Plasma Phys. Publ by IEEE, IEEE Service Center, Piscataway, NJ, USA (IEEE cat n 92TH0404-4). p 458-461

Publication Year: 1992

ISBN: 0-7803-0458-6

Language: English

Document Type: PA; (Conference Paper) Treatment: A; (Applications)

Journal Announcement: 9304

**Abstract:** The PAN-DA data acquisition software system encompasses support for a variety of front end processors including the Struck General Purpose Master (GPM), the Fermilab Smart Crate Controller (FSCC), and the Motorola MVME133-A VME single board computer. PAN-DA provides support for the remote control of these processors through its Remote Procedure Execution (RPX) software. This software runs over serial lines, and in some PAN-DA environments, over the Ethernet and TCP/IP as well. Experiments E791 and E771 have successfully used RPX software in both FSCC software development and data collection during the 1990-1991 fixed target run at Fermilab. RPX software has facilitated development and testing of the Fermilab Silicon Strip Detector readout system, for which the FSCC is an integral component. RPX based control and monitoring of the GPM and the MVME133-A are essential parts of the PAN-DA data acquisition system used by E687 and E773 during the 1990-1991 run. (Author abstract) 6 Refs.

**Descriptors:** COMPUTER SOFTWARE ; DATA ACQUISITION; REMOTE CONTROL ; PROGRAM PROCESSORS; APPLICATIONS ; COMPUTER NETWORKS ; COMPUTER SYSTEMS PROGRAMMING

**Identifiers:** PAN-DA DATA ACQUISITION SOFTWARE SYSTEM; FRONT END PROCESSORS; STRUCK GENERAL PURPOSE MASTER (GPM); FERMILAB SMART CRATE CONTROLLER (FSCC); REMOTE PROCEDURE EXECUTION (RPX)

**Classification Codes:**

723 (Computer Software); 731 (Automatic Control Principles); 716 (Radar, Radio & TV Electronic Equipment)

72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING); 71 (ELECTRONICS & COMMUNICATIONS)

17/5/16 (Item 14 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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03311557 E.I. Monthly No: EI9110119067

**Title: Microcomputer-controlled die change system.**

Author: Kuo, Shin-Gia; Chen, Chao-Kuang

Corporate Source: Natl Cheng-Kung Univ, Tainan, Taiwan

Source: Computers in Industry v 16 n 1 Apr 1991 p 39-45

Publication Year: 1991

CODEN: CINUD4 ISSN: 0166-3615

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications)

Journal Announcement: 9110

**Abstract:** The purpose of this article is to describe the design of an automatic die change system which integrates four subsystems: a die standardization system, an automatic die warehouse, a traveling car, and a quick die change system. Except the traveling car which is controlled by a

programmable logic controller, the rest of the systems are controlled by four 16-bit personal computers and a network system, which has a remote control function, to set up a central controlled station to monitor the whole system. With production and quality control, we can achieve the goal of a fully automatic factory. (Author abstract)

Descriptors: DIE CASTING MACHINES--\*Computer Applications; COMPUTERS, MICROCOMPUTER--Industrial Applications; **COMPUTER NETWORKS** --Industrial Applications ; **REMOTE CONTROL** --Industrial Applications

Identifiers: AUTOMATIC DIE CHANGE SYSTEMS; PROGRAMMABLE LOGIC CONTROLLERS ; MICROCONTROLLERS; QUICK DIE AND MOLD CHANGE SYSTEMS

Classification Codes:

534 (Foundry Practice); 723 (Computer Software); 732 (Control Devices)  
53 (METALLURGICAL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING)

17/5/17 (Item 15 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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03025125 E.I. Monthly No: EIM9102-007782

Title: **Analytical analysis of reliability for executing remote programs on idling workstations.**

Author: Zhang, Chong; Yang, Cui-Qing

Corporate Source: Dept of Comput Sci, Univ of North Texas, Denton, TX, USA

Conference Title: Proceedings - Ninth Annual International Phoenix Conference on Computers and Communications

Conference Location: Scottsdale, AZ, USA Conference Date: 19900321

Sponsor: IEEE; IEEE Communications Soc; IEEE Computer Soc; Arizona State Univ; Univ of Arizona

E.I. Conference No.: 13983

Source: Conference Proceedings - Annual Phoenix Conference. Publ by IEEE, IEEE Service Center, Piscataway, NJ, USA (IEEE cat n 90CH2799-5). p 10-16

Publication Year: 1990

CODEN: CSPACE3 ISBN: 0-8186-2030-7

Language: English

Document Type: PA; (Conference Paper) Treatment: A; (Applications); T; (Theoretical)

Journal Announcement: 9102

Abstract: A discussion is presented of two control policies of workstation-based distributed systems that support fault-tolerant execution of remote jobs on idling workstations: checkpointing and noncheckpointing. An analytical analysis of the reliability and mean turnaround time of the execution of remote jobs is conducted for both control policies. In addition, the optimal time interval of checkpoints in the checkpointing policy is formulated the basis of the given reliability and overhead of the system. Some observations on fault-tolerant features of each policy derived from the analysis are presented. 10 Refs.

Descriptors: COMPUTER SYSTEMS, DIGITAL--\*Distributed; COMPUTER WORKSTATIONS--Reliability; **COMPUTER NETWORKS** --Protocols

Identifiers: FAULT TOLERANT SYSTEMS; WORKSTATION-BASED DISTRIBUTED SYSTEMS

Classification Codes:

722 (Computer Hardware); 723 (Computer Software); 913 (Production Planning & Control)

72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT)

17/5/18 (Item 16 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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02895019 E.I. Monthly No: EI9005056443

Title: **LAN-based communications in mining.**

Author: Schorsch, Helmut; Zwosta, Hans

Corporate Source: Siemens AG, Erlangen, West Ger

Source: Energy & Automation v 11 n 4 Jul-Aug 1989 p 8-10

Publication Year: 1989

CODEN: ENAEV ISSN: 0931-6221

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications)

Journal Announcement: 9005

Abstract: As the use of programmable controllers becomes more prevalent in mining, local area networks (LANs) are being introduced on an increasing scale to handle communications among them. In particular, Siemens' SIMDAS S5 and SIMATIC S5 controllers can now be effectively linked to form a high-performance automation system using the SINEC LE2 LAN. This system can be used both for short distances of 1.2 km or less and longer distances up to 10 km. (Edited author abstract)

Descriptors: MINES AND MINING--\*Communication Systems; **COMPUTER NETWORKS** --Industrial Applications ; **CONTROL EQUIPMENT**; **REMOTE CONTROL** ; MODEMS

Identifiers: LAN-BASED COMMUNICATIONS; SINEC LE2 LAN; TRANSMISSION CHANNEL REDUNDANCY; TRANSMISSION PROTOCOLS; REMOTE PROGRAMMABLE CONTROLLERS

Classification Codes:

502 (Mine & Quarry Equipment & Operations); 723 (Computer Software); 718 (Telephone & Line Communications); 732 (Control Devices)  
50 (MINING ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS); 73 (CONTROL ENGINEERING)

17/5/19 (Item 17 from file: 8)

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02802159 E.I. Monthly No: EI8910103547

Title: Remote control software: **online from micro to micro.**

Author: Kittle, Paul

Corporate Source: Loma Linda Univ Medical Cent, Loma Linda, CA, USA

Source: Online (Weston, Connecticut) v 13 n 5 Sep 1989 p 63-68

Publication Year: 1989

CODEN: ONLIDN ISSN: 0146-5422

Language: English

Document Type: JA; (Journal Article) Treatment: A; (Applications); T; (Theoretical)

Journal Announcement: 8910

Abstract: Online searchers are well-versed in using communications software and hardware for dial-up access to DIALOG, BRS, and other major online services. Not many of us are equally adept at using modems for other purposes, such as directly transferring files or remote access to other microcomputers. This article presents guidelines into some additional ways of 'communicating online.' 2 Refs.

Descriptors: INFORMATION RETRIEVAL SYSTEMS--\*Online Searching; **COMPUTER SOFTWARE**; **COMPUTER PROGRAMMING LANGUAGES**

Identifiers: COMMUNICATIONS SOFTWARE; ONLINE SERVICES; REMOTE ACCESS; INFORMATION PROFESSIONALS; REMOTE CONTROL SOFTWARE

Classification Codes:

903 (Information Science); 723 (Computer Software); 722 (Computer Hardware); 732 (Control Devices)  
90 (GENERAL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING)

17/5/20 (Item 18 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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02536346 E.I. Monthly No: EIM8802-006808

Title: **REX: A REMOTE EXECUTION PROTOCOL FOR OBJECT-ORIENTED DISTRIBUTED APPLICATIONS.**

Author: Otway, Dave; Oskiewicz, Ed

Corporate Source: Advanced Networked Systems Architecture Project, Cambridge, Engl

Conference Title: 7th International Conference on Distributed Computing Systems.

Conference Location: Berlin, West Ger Conference Date: 19870921  
Sponsor: IEEE Computer Soc, Los Alamitos, CA, USA; IEEE, New York, NY, USA; Hahn-Meitner-Inst Berlin GmbH, West Ger; Gesellschaft fuer Informatik eV, West Ger

E.I. Conference No.: 10563

Source: Proceedings - International Conference on Distributed Computing Systems 7th. Publ by IEEE, New York, NY, USA. Available from IEEE Service Cent (Cat n 87CH2439-8), Piscataway, NJ, USA p 113-118

Publication Year: 1987

CODEN: PICSEJ ISBN: 0-8186-0801-3

Language: English

Document Type: PA; (Conference Paper)

Journal Announcement: 8802

Abstract: The remote procedure call is a primitive paradigm for networked communications between high-level language programs. A remote execution protocol (REX) is described which extends the concept to encompass a wider set of remote process-to-process interactions for an object-oriented distributed processing architecture. These extensions - asynchronous messaging, back calls, rapid bulk delivery and rate based flow control - are designed to optimize the responsiveness of communications between application processes on an end-to-end basis, while retaining the simplicity of remote procedure calls. 10 refs.

Descriptors: **COMPUTER NETWORKS** --\*Protocols; **COMPUTER PROGRAMMING**

Identifiers: REMOTE EXECUTION PROTOCOL; REMOTE PROCEDURE CALL; HIGH-LEVEL LANGUAGE PROGRAMS; DISTRIBUTED PROCESSING ARCHITECTURE; BACK CALLS

Classification Codes:

723 (Computer Software); 716 (Radar, Radio & TV Electronic Equipment); 717 (Electro-Optical Communications); 718 (Telephone & Line Communications)

72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS)

17/5/21 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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1899562 NTIS Accession Number: PB95-248795

**Executing PROLOG Programs in Parallel on Network Workstations**

(Technical rept)

Tao, J. ; Ju, J.

Jilin Univ., Changchun (China). Dept. of Computer Science.

Corp. Source Codes: 110349001

Sponsor: Institute of Scientific and Technical Information of China, Beijing.

Report No.: ISTIC-TR-95039

1995 12p

Languages: English

Journal Announcement: GRAI9521

Sponsored by Institute of Scientific and Technical Information of China, Beijing.

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NTIS Prices: PC E06/MF E06

Country of Publication: China

A distributed C-PROLOG interpreter on a SUN workstation network, named DC-PROLOG, is presented. This system can automatically transform sequential interpretation of its application programs into parallel ones. It can speed up execution of tasks using multiple idle processors and make some tasks executable which cannot be executed on a single machine for lack of memory spaces.

Descriptors: Parallel processing; \*Local area networks ; Workstations ; Logic programming; Distributed computer systems; Applications programs (Computers); Run time(Computers); Remote systems; Programming environments; Interprocessor communication; Memory(Computers)

Identifiers: \*Foreign technology; \*Prolog programming language; NTISTFIST Section Headings: 62B (Computers, Control, and Information

17/5/22 (Item 2 from file: 6)  
DIALOG(R)File 6:NTIS  
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1764651 NTIS Accession Number: N94-10134/2  
**MOLS (Telescience on-Line Simulator): An Essential Instrument for Micro-Gravity Interactive Experiment**  
Fortezza, R. ; Monti, R.  
Microgravity Advanced Research and Support Center, Naples (Italy).  
Corp. Source Codes: 106755000; MX894533  
cAug 92 5p  
Languages: English  
Journal Announcement: GRAI9401; STAR3201  
In Esa, Proceedings of the 8TH European Symposium on Materials and Fluid Sciences in Microgravity, Volume 1 p 407-411.  
NTIS Prices: (Order as N94-10070/8, PC A19/MF A04)  
Country of Publication: Italy

The telescience operative mode represents for the investigator the capability to perform a scientific interactive experiment directly from the ground. Interaction means that the scientist is able to take appropriate actions and to modify the experiment execution on the basis of the data, video, and, more in general, information that he receives directly from the onboard facility. The scientific knowledge and expertise of the investigator ensures a more intelligent control, guarantees best results, and limits the involvement of the crew onboard (if any). The capability to perform the experiment directly from a ground based facility, with an approach similar to that used to carry out the research in an on ground laboratory, represents the final objective. To reach this goal it is required to establish communication links that are completely transparent to the scientist and to design specific devices able to provide support in the experiment control and management. Some such devices developed to support several experiments performed, using telescience approach, on sounding rockets are illustrated. These consist of hardware and software tools that simulate the experimental processes in real or quasi-real-time, visualize in a quick look format the relevant data, and help the investigators to take the appropriate decisions during the course of the experiments. The future development of these tools is also considered.

Descriptors: Ground based control; \*Spaceborne experiments; **Computerized simulation; On - line systems; Reduced gravity; Remote control ; Simulators; Software tools; Teleoperators; Computational fluid dynamics; Hardware; Real time operation; Sounding rockets**

Identifiers: \*Foreign technology; NTISNASAE  
Section Headings: 84E (Space Technology--Space Launch Vehicles and Support Equipment)

17/5/23 (Item 3 from file: 6)  
DIALOG(R)File 6:NTIS  
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1743141 NTIS Accession Number: ED-354 897  
**From Bulletin Boards to Electronic Universities: Distance Education, Computer -Mediated Communication, and Online Education. ACSDE Research Monograph, Number 7**  
Paulsen, M. F.  
Pennsylvania State Univ., University Park. American Center for the Study of Distance Education.  
Corp. Source Codes: 009222220  
Sponsor: Annenberg/CPB Project, Washington, DC.  
Report No.: ISBN-1-877780-09-X  
1992 76p  
Languages: English Document Type: Bibliography  
Journal Announcement: GRAI9319  
Available from ERIC Document Reproduction Service (Computer Microfilm International Corporation), 3900 Wheeler Ave., Alexandria, VA 22304-5110.

NTIS Prices: Not available NTIS

Country of Publication: United States

This monograph presents a collection of separate papers that focuses on pioneering projects in computer-mediated communication (CMC) and distance education. The first section of the monograph contains two papers describing the author's experiences with CMC projects that formed the foundation for his further CMC work: 'NKI Electronic College,' a distance education program using computer conferencing at NKI College in Oslo (Norway); and 'Teaching Across the Atlantic,' a computer-conference-based course conducted by experts from both sides of the Atlantic. In the second section, two papers--'Innovative Computer-Conferencing Courses' and 'Computer-Mediated Communication and Distance Education around the World, An Annotated Bibliography'--provide 16 examples of the CMC projects in 12 countries the author has encountered through literature reviews and personal communications. Three articles that compile experiences, conclusions, and predictions for the future based on the author's perceptions and theories are presented in the final section: 'GO MEEC,' which describes a goal-oriented method for establishment of an electronic college; 'The Electronic University,' which predicts the development of future electronic universities; and 'The Hexagon of Cooperative Freedom,' which proposes a distance education theory attuned to CMC. Most of the papers include references; a total of 79 references are contained overall. (KRN).

Descriptors: **Distance** education; \***Learner controlled instruction** ; \*Teleconferencing; Adult students; Annotated bibliographies; Computer assisted instruction; Foreign countries; Futures(of society); Higher education; Institutional cooperation; Prediction; Tables(Data); Bibliographies

Identifiers: \*Computer Mediated Communication; \*Electronic Universities; Norway; United States; NTISHEWERI

Section Headings: 92D (Behavior and Society--Education, Law, and Humanities)

17/5/24 (Item 4 from file: 6)

DIALOG(R)File 6:NTIS

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1588052 NTIS Accession Number: N91-22192/9

**Design of the Ground Segment to Provide Optimum Service at Minimum Cost**

Peberdy, R. J. ; Calvo, M.

Logica Ltd., Cobham (England).

Corp. Source Codes: 090759000; L3131166

Sponsor: National Aeronautics and Space Administration, Washington, DC.

cOct 90 7p

Languages: English

Journal Announcement: GRAI9118; STAR2914

In Esa, Ground Data Systems for Spacecraft Control p 15-21.

NTIS Prices: (Order as N91-22189/5, PC A99/MF A04)

Country of Publication: United Kingdom

Larger and more complex payloads will inevitably lead to increased cost in their operation unless sensible design allows such costs to be kept within viable limits. The operating cost of the satellite control must be addressed from the start, and ground support facilities provided with the minimum infrastructure and manpower, but with optimum availability and reliability. The Eutelsat system, procured to meet these criteria is discussed. Off the shelf equipment, provided at two ground stations and the Satellite Control Centre (SCC), is of well tried and proven design leading to a very high level of reliability. Computer programs based on those developed over many years at the European Space Operations Centre (ESOC) are discussed. Computer redundancy is achieved by dual facilities at the SCC, and a standby SCC at the Rambouillet Earth station. Single, multiwindow, icon driven displays with advanced colour graphics and print facilities, are provided for ground control operations.

Descriptors: **Computer networks** ; \*Ground stations; \*Integrated mission control center; \*Telemetry; Availability; Costs; Communication satellites; European space **programs** ; Ground operational support system; **Remote control** ; Satellite control



Identifiers: \*Foreign technology; \*Eutelsat system; NTISNASAE  
Section Headings: 84E (Space Technology--Space Launch Vehicles and Support Equipment)

17/5/25 (Item 5 from file: 6)

DIALOG(R)File 6:NTIS

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1547387 NTIS Accession Number: N90-29890/2

**Integration of a Sensor Based Multiple Robot Environment for Space Applications: The Johnson Space Center Teleoperator Branch Robotics Laboratory**

Hwang, J. ; Campbell, P. ; Ross, M. ; Price, C. R. ; Barron, D.  
National Aeronautics and Space Administration, Houston, TX. Lyndon B. Johnson Space Center.

Corp. Source Codes: 019042004; ND185000

31 Jan 89 10p

Languages: English

Journal Announcement: GRAI9104; STAR2824

In JPL, California Inst. of Tech., Proceedings of the NASA Conference on Space Telerobotics, Volume 5 p 151-160.

NTIS Prices: (Order as N90-29874/6, PC A19/MF A03)

Country of Publication: United States

Contract No.: NAS9-1900

An integrated operating environment was designed to incorporate three general purpose robots, sensors, and end effectors, including Force/Torque Sensors, Tactile Array sensors, Tactile force sensors, and Force-sensing grippers. The design and implementation of: (1) the teleoperation of a general purpose PUMA robot; (2) an integrated sensor hardware/software system; (3) the force-sensing gripper control; (4) the host computer system for dual Robotic Research arms; and (5) the Ethernet integration are described.

Descriptors: End effectors; \*Robot arms; \*Robot sensors; \*Robotics; \*Teleoperators; Technology utilization; **Computer networks ; Computer programs ; Controllers ; Remote manipulator system ; Workstations**

Identifiers: NTISNASA

Section Headings: 41C (Manufacturing Technology--Robots and Robotics); 70E (Administration and Management--Research Program Administration and Technology Transfer)

17/5/26 (Item 6 from file: 6)

DIALOG(R)File 6:NTIS

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1470511 NTIS Accession Number: DE89016329

**Remote Procedure Execution Software for Distributed Systems**

Petravick, D. L. ; Berman, E. F. ; Sergey, G. P.

Fermi National Accelerator Lab., Batavia, IL.

Corp. Source Codes: 056178000; 9500721

Sponsor: Department of Energy, Washington, DC.

Report No.: FNAL/C-89/135; CONF-890545-15

May 89 4p

Languages: English Document Type: Conference proceeding

Journal Announcement: GRAI9002; NSA0000

Conference on real-time computer applications in nuclear, particle and plasma physics, Williamsburg, VA, USA, 15-18 May 1989.

Portions of this document are illegible in microfiche products. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A02/MF A01

Country of Publication: United States

Contract No.: AC02-76CH03000

Remote Procedure Execution facilitates the construction of distributed software systems, spanning computers of various types. Programmers who use

the RPX package specify subroutine calls which are to be executed on a remote computer. RPX is used to generate code for dummy routines which transmit input parameters and receive output parameters, as well as a main program which receives procedure call requests, calls the requested procedure, and returns the result. The package automatically performs datatype conversions and uses an appropriate connection oriented protocol. Supported operating systems/processors are VMS(VAX), UNIX(MIPS R2000, R3000) and Software Components Group's pSOS (680x0). Connection oriented protocols are supported over Ethernet (TCP/IP) and RS232 (a package of our own design). 2 refs., 2 figs.

Descriptors: Distributed Data Processing; **Computer Architecture;**  
**Computer Networks** ; DEC Computers ; Data Acquisition Systems  
Identifiers: \*Distributed computer systems; \*Computer software;  
ERDA/990210; Protocols; NTISDE  
Section Headings: 62B (Computers, Control, and Information  
Theory--Computer Software)

17/5/27 (Item 7 from file: 6)  
DIALOG(R)File 6:NTIS  
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1419940 NTIS Accession Number: DE88704397  
Software for Remote Task Control in SONENT-2 Local Area Network  
Alfimenkov, A. V. ; Khrykina, T. D.  
Joint Inst. for Nuclear Research, Dubna (USSR). Lab. of Neutron Physics.  
Corp. Source Codes: 014897003; 3473000  
Report No.: JINR-R-11-87-839  
1987 11p  
Languages: Russian  
Journal Announcement: GRAI8909  
In Russian.  
U.S. Sales Only. Order this product from NTIS by: phone at 1-800-553-NTIS  
(U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547;  
and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal  
Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01  
Country of Publication: Union of Soviet Socialist Republics  
Software realizing the access for a terminal of a central net computer to  
a task working on a remote computer through LAN SONENT-2 is described. The  
method of switching the terminal input/output of a task working on remote  
computer to a transport subset of the network is considered. The logical  
structure of a remote control channel and items of its software support are  
described. File transfer subroutine implementation to the task working on  
the remote computer and software supporting this transfer on the central  
network computer are described. 3 refs.; 3 figs. (Atomindex citation  
19:096043)

Descriptors: On - Line Measurement Systems; \***Computer Networks** ;  
**Computer Codes**; Flowsheets; PDP Computers ; Real Time Systems  
Identifiers: \*Foreign technology; ERDA/440300; NTISINIS  
Section Headings: 62C (Computers, Control, and Information  
Theory--Control Systems and Control Theory); 62A (Computers, Control, and  
Information Theory--Computer Hardware); 62B (Computers, Control, and  
Information Theory--Computer Software)

17/5/28 (Item 8 from file: 6)  
DIALOG(R)File 6:NTIS  
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0878404 NTIS Accession Number: AD-A950 113/1/XAB  
Captive Trajectory Testing 8-Foot Transonic Wind Tunnel. Revision  
Calspan Corp., Buffalo, NY.  
Corp. Source Codes: 056139000; 407727  
Report No.: CALSPAN-WTO-461-REV  
Aug 67 25p  
Languages: English  
Journal Announcement: GRAI8111

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A02/MF A01

Country of Publication: United States

No abstract available.

Descriptors: Wind tunnel tests; \*Captive tests; \*Aerial delivery; \*Stores ; \*Trajectories; Remote control; Test methods; Test facilities; **Computer applications** ; On line systems; **Computer** programs; Data reduction

Identifiers: Captive trajectory testing; U/A reports; NTISDODXA; NTISDODW

Section Headings: 94K (Industrial and Mechanical Engineering--Laboratory and Test Facility Design and Operation)

17/5/29 (Item 9 from file: 6)

DIALOG(R)File 6:NTIS

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0772012 NTIS Accession Number: AD-A069 588/2/XAB

**The Joy of TENEX and TOPS-20: Part II**

(Technical manual)

Holg, C. S.

University of Southern California Marina Del Rey Information Sciences Inst

Corp. Source Codes: 407952

Report No.: ISI/TM-79-16

Jan 79 113p

Languages: English

Journal Announcement: GRAI7921

See also Part I, AD-A069 518.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A06/MF A01

Contract No.: DAHC15-72-C-0308; ARPA ORDER-2223

This is a basic manual discussing the operation of the ARPANET, the TENEX and TOPS-20 operating systems, and the following programs: XED, TECO, DCOPY, XOFF, RUNFIL, FTP, TELNET, and RSEXEC. (Author)

Descriptors: **Computer** communications; Communications **networks** ; Time sharing; **Computer** programs ; **Executive** routines; Programming manuals; **Remote** terminals; Central processing units; Core storage; Computer files; Monitoring; Data management; Message processing; Subroutines

Identifiers: \*Computer networks; \*Operating systems(Computers); ARPA computer network; TENEX system; TOPS-20 system; XED computer program; TECO computer program; DCOPY computer program; XOFF computer program; RUNFIL computer program; TELNET computer program; RSEXEC computer program; FTP computer program; NTISDODXA

Section Headings: 62B (Computers, Control, and Information Theory--Computer Software); 45C (Communication--Common Carrier and Satellite)

17/5/30 (Item 10 from file: 6)

DIALOG(R)File 6:NTIS

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0771942 NTIS Accession Number: AD-A069 518/9/XAB

**The Joy of TENEX and TOPS-20. Part One**

(Technical manual)

Holg, C.

University of Southern California Marina Del Rey Information Sciences Inst

Corp. Source Codes: 407952

Report No.: ISI/TM-79-15

Mar 79 125p

Languages: English

Journal Announcement: GRAI7921

See also Part 2, AD-A069 588.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A06/MF A01

Contract No.: DAHC15-72-C-0308; ARPA ORDER-2223

This is a basic manual discussing the operation of the ARPANET, the TENEX and TOPS-20 operating systems, and the following mail handling programs: SNDMSG, MSG, HERMES, and MAILSTAT.

Descriptors: **Computer** communications; Communications **networks** ; Time sharing; **Computer programs** ; **Executive** routines; Programming manuals; **Remote** terminals; Central processing units; Core storage; Computer files; Monitoring; Data management; Message processing; Subroutines

Identifiers: \*Computer networks; \*Operating systems(Computers); ARPA computer network; TENEX system; TOPS-20 system; SNDMSG computer program; MSG computer program; HERMES computer program; MAILSTAT computer program; Mail; NTISDODXA

Section Headings: 62B (Computers, Control, and Information Theory--Computer Software); 45C (Communication--Common Carrier and Satellite)

17/5/31 (Item 11 from file: 6)

DIALOG(R)File 6:NTIS

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0367857 NTIS Accession Number: AD-755 700/XAB

**Computers in Information Sciences: On- Line Systems**

(Report bibliography 1968-1972)

Defense Documentation Center Alexandria Va

Corp. Source Codes: 107200

Report No.: DDC-TAS-72-87

Jan 73 230p

Document Type: Bibliography

Journal Announcement: GRAI7307

Updates AD-679 400.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC All/MF A01

The bibliography compiles references dealing specifically with the role of On-Line Computer Systems. Corporate Author-Monitoring Agency, Subject, Title, Personal Author, Contract Number, and Report Number Indexes are included. (Author)

Descriptors: Information retrieval; \*Bibliographies; Computers; Data processing systems; Data transmission systems; Cathode ray tube screens; **Computer programs** ; **Remote control** systems; Television display systems ; Time sharing; Programming languages; Programming(Computers); Graphite; Digital computers; Analog computers

Identifiers: \*On line systems; BR-90 display consoles; NTISSD

Section Headings: 62A (Computers, Control, and Information Theory--Computer Hardware); 62B (Computers, Control, and Information Theory--Computer Software)

17/5/32 (Item 12 from file: 6)

DIALOG(R)File 6:NTIS

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0335825 NTIS Accession Number: AD-745 751/XAB

**Data Reconfiguration Service Compiler: Communications among Heterogeneous Computer Centers Using Remote Resource Sharing**

Harslem, E. F. ; Heafner, J. ; Wisniewski, T. D.

Rand Corp Santa Monica Calif

Corp. Source Codes: 296600

Report No.: R-887-ARPA

Apr 72 127p

Journal Announcement: GRAI7218

See also AD-737 318.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A07/MF A01

Contract No.: DAHC15-67-C-0141; ARPA ORDER-189-1

The report describes the use, implementation, and maintenance procedures for the Data Reconfiguration Service (DRS) Compiler which is coded in PL/1. The report provides an overview of the language in which data-reconfiguration definitions are expressed. Syntax is stated in a formal notation.

Descriptors: Compilers; \*Data processing systems; Instruction manuals; **Networks** ; Data transmission systems; **Computer programs** ; Syntax; **Remote control** systems

Identifiers: \*Computer networks; Data reconfiguration service; ARPA computer network; NTISA

Section Headings: 62B (Computers, Control, and Information Theory--Computer Software)

17/5/33 (Item 13 from file: 6)

DIALOG(R)File 6:NTIS

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0279372 NTIS Accession Number: AD-726 415/XAB

**Analysis of Biomedical Data by Time-Sharing Computers. II. An On-Line Tissue Bank Graft Registry**

(Medical research interim rept)

Horwitz, D. L.

Naval Medical Research Inst Bethesda Md

Corp. Source Codes: 249650

Report No.: NAVMED-M4305.03-3009-1

Jun 71 47p

Journal Announcement: GRAI7117

See also report dated 26 Feb 70, AD-704 858.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

Contract No.: M4305.03

The report describes a system for storing and retrieving information indexed by the Naval Medical Research Institute Tissue Bank Graft Registry. The system stores information on a direct access, on-line computer memory disk, which can be accessed remotely from an IBM 2741 communications terminal using ordinary telephone lines. The system has been implemented on the IBM System/360 computers located at the National Institutes of Health Computer Center, using their interactive text-editing program called WYLBUR. This enables one to rapidly search the thousands of patient records indexed by the graft registry to locate those patients fitting into selected categories. The system requires no particular training to use, and all necessary instructions for using the system are contained in this report. An appendix to the report describes how the system was initially established. (Author)

Descriptors: Data processing systems; \*Medicine; \*Information retrieval; Computers; Records; Tissues(Biology); Storage; Transplantation; **Computer programs** ; **Remote control** systems; Time sharing

Identifiers: \*Tissue banks; \*Tissue graft registry; On line computers; NTISN

Section Headings: 62B (Computers, Control, and Information Theory--Computer Software); 57E (Medicine and Biology--Clinical Medicine)

17/5/34 (Item 14 from file: 6)

DIALOG(R)File 6:NTIS

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0063345 NTIS Accession Number: N66-31218/XAB

**The Amtran Sampler System Instruction Manual**

Albert, M. R. ; Clem, P. C. ; Flenker, L. A. ; Reinfelds, J. ; Seitz, R. N.

National Aeronautics and Space Administration. Marshall Space Flight Center, Huntsville, Ala.

Report No.: NASA-TM-X-53342

Jul 66 144p

Journal Announcement: USGRDR6401; STAR0417

Revised

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A07/MF A01

No abstract available.

Descriptors: Ibm 1620 **computer** ; \*Instruction; \*On -line programming; Automatic; **Computer** ; Differential; Display; Efficiency; Equation; Graph; Language; Logic; Manual; Mathematics; Nonlinear; **Operator** ; Programming; **Remote** ; Sampler; **Software** ; Terminal; Translator  
Section Headings: 62A (Computers, Control, and Information Theory--Computer Hardware)

17/5/35 (Item 1 from file: 144)

DIALOG(R)File 144:Pascal

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12463196 PASCAL No.: 96-0125541

**Remote interrogation and control of sensors via the internet**

FUHR P L; MOWAT E F

Univ of Vermont, Terra incognita

Journal: Sensors (Peterborough, NH), 1995, 12 (12) 6p

ISSN: 0746-9462 CODEN: SNSRES Availability: E.i.

Document Type: P (Serial) ; A (Analytic)

Country of Publication: USA

Language: English

The Internet seems to be penetrating more and more aspects of the people. Enormous amounts of information are available with just a few keystrokes. In addition, it is possible to put near-real-time sensor information on the Internet. It is also possible to have a level of user control over, or at least interaction with, the Web site providing sensor data, and hence an instrumented platform as well. Limitations do exist for such an installation. The user should have a full-bandwidth connection to the Internet. The Web site should include a robust server. And network delays caused by heavy information traffic should be expected. But even with the delays, evidence from Internet users shows that the response speed is acceptable.

English Descriptors: Remote sensor interrogation; Near real time sensor information; User control; **Internet** browser; Web site configuration; **Application** ; **Computer networks** ; **Remote c ontrol** ^**Quantu** ; Quantum optics; Real time systems; Graphical user interfaces; Bandwidth; Process control; Data processing; Expert systems; Data acquisition; Microcomputers; Analog to digital conversion; Optical sensors

French Descriptors: Application; Reseau ordinateur; Telecommande; Optique quantique; Systeme temps reel; Interface graphique; Largeur bande; Commande processus; Traitement donnee; Systeme expert; Saisie donnee; Microordinateur; Conversion analogique numerique; Capteur optique

Classification Codes: 001B40B; 001D02B; 001D02D; 001B00C65

17/5/36 (Item 2 from file: 144)

DIALOG(R)File 144:Pascal  
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12358082 PASCAL No.: 96-0002455  
**Going on-line**  
OUCHI G I  
Brego Research, San Jose CA, USA  
Journal: LC GC, 1995, 13 (11) 878-880 (2 p.)  
ISSN: 0888-9090 CODEN: LCGCE7 Availability: INIST-21244;  
354000058745900004  
No. of Refs.: 1 ref.  
Document Type: P (Serial) ; A (Analytic)  
Country of Publication: USA  
Language: English

English Descriptors: Laboratory; Information **network** ; **Computer** hardware  
; **Software** ; **Remote control**

French Descriptors: Laboratoire; Réseau information; Matériel(informatique)  
; Logiciel; Télécommande; Internet

Classification Codes: 001C04A

17/5/37 (Item 3 from file: 144)  
DIALOG(R)File 144:Pascal  
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11329743 PASCAL No.: 94-0151263  
**IEEE virtual reality annual international symposium : Seattle WA,**  
**September 18-22, 1993**  
VRAIS '93 : virtual reality annual international symposium, 1 (Seattle  
WA USA) 1993-09-18  
1993 XII, 527 p., ill., index Non-paginated pages/foldouts  
Publisher: IEEE, New York NY  
Availability: INIST-Y 30109; 354000047918110000  
No. of Refs.: dissem.  
Document Type: C (Conference Proceedings) ; M (Monographic)  
Country of Publication: USA  
Language: English Summary Language: English

English Descriptors: International conference; United States; Washington;  
1993; **Application** ; Human factor; Robotics; **Remote operation** ;  
Measurement sensor; Sensory analysis; **Computer** graphics; Software;  
**Computer** animation; Neural **network** ; Fuzzy logic; Teleconference;  
Modeling

Broad Descriptors: Nordamerika; North America; America; Amerique du Nord;  
Amerique; America del norte; America

French Descriptors: Congres international; Etats Unis; Washington; 1993;  
Application; Facteur humain; Robotique; Teleaction; Capteur mesure;  
Analyse sensorielle; Infographie; Logiciel; Animation par ordinateur;  
Réseau neuronal; Logique floue; Teleconference; Modelisation; Realite  
virtuelle

Classification Codes: 001D02B; 001D02C; 001D02D11; 002A26L07

17/5/38 (Item 4 from file: 144)  
DIALOG(R)File 144:Pascal  
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07561083 PASCAL No.: 87-0398337  
**Proposition d'une methodologie de conception de circuits integres de**  
**communication : realisation d'un communicateur pour le reseau local FIP**  
(Proposition of a methodology of communication integrated circuit design:  
implementation of a communication circuit for the FIP local net)

DIAZ NAVA Mario; MAZARE Guy, Dir the  
Univ.: Grenoble 1 Degree: Th. doct. : Inform.  
1986; 1986 258 f.  
Availability: CNRS-T 59208  
No. of Refs.: 74 ref.  
Document Type: T (Thesis) ; M (Monographic)  
Country of Publication: France

Language: French Summary Language: French; English  
FIP=Factory Instrumentation Protocol. On realise un circuit integre de communication pour le reseau FIP, projet national de communication entre automates reflexes, capteurs et actionneurs. Le circuit integre est specifie pour permettre soit la connexion de capteurs simples, soit la connexion de capteurs intelligents ou des automates de reseau. La conception de ce circuit integre a la demande resulte d'une methodologie originale. Cette methodologie est orientee vers la conception de circuits VLSI de communication a partir d'une bibliotheque d'operateurs flexibles, d'une part pour reduire le temps de conception, d'autre part pour donner la possibilite aux ingenieurs non specialistes en conception de concevoir eux-memes leur circuit

English Descriptors: Integrated circuit; **Computer** aided design; Local **network** ; **Remote control** ; Robot; Industrial **application** ; Interface circuit; VLSI circuit; Controller; Real time; Methodology; System architecture; Hierarchical system; Software; Joining; Library; Functional module; Graphic plotting; Electrical simulation; Functional analysis; Specification; Transmission protocol; Costs; Monolithic integrated circuit

French Descriptors: Circuit integre; Conception assistee; Reseau local; Telecommande; Robot; Application industrielle; Circuit interface; Circuit VLSI; Controleur; Temps reel; Methodologie; Architecture systeme; Systeme hierarchise; Logiciel; Assemblage; Bibliotheque; Module fonctionnel; Trace graphique; Simulation electrique; Analyse fonctionnelle; Specification; Protocole transmission; Cout; Circuit integre monolithique ; Reseau telecommunication; Controleur communication; Operateur flexible; Circuit precaracterise

Classification Codes: 001D02B04

17/5/39 (Item 5 from file: 144)  
DIALOG(R) File 144:Pascal  
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01332212 PASCAL No.: 77-0144400  
**FAMILLE DE MODULES ED 1000 POUR LA RESOLUTION DES PROBLEMES DE L'INFORMATIQUE INDUSTRIELLE.**

FUNK G; HOLM J  
Journal: REV. BROWN BOVERI, 1976, 63 (9) 545-549  
Availability: CNRS-6894  
No. of Refs.: 4 REF.  
Document Type: P (SERIAL) ; A (ANALYTIC)  
Country of Publication: SWITZERLAND  
Language: FRENCH

ON EXPOSE LES IDEES FONDAMENTALES AYANT SERVI A LA CREATION DE LA FAMILLE DE MODULES ED 1000 ASSISTEE PAR ORDINATEUR, MISE AU POINT PAR LA SOCIETE BROWN BOVERI. CETTE FAMILLE ET LE LOGICIEL QUI EN FAIT PARTIE SONT DESTINES A LA RESOLUTION DES PROBLEMES DE LA CONDUITE DES RESEAUX ET DE L'INFORMATIQUE INDUSTRIELLE. EN PARTANT D'UN APERCU GENERAL DES EXIGENCES POSEES A LA CONCEPTION DES SYSTEMES, LES AUTEURS PRESENTENT LES PRINCIPALES CARACTERISTIQUES DE LA FAMILLE DE MODULES ED 1000.

English Descriptors: PROCESS COMPUTER; CONTROL; PROGRAMMER; MODULAR CONSTRUCTION; **COMPUTER** SCIENCE; **SOFTWARE** ; MULTIPROCESSOR; COMPUTERS; **ELECTRICAL NETWORK** ; **REMOTE OPERATION** ; INFORMATION PROCESSING  
English Generic Descriptors: ELECTRICAL ENGINEERING

French Descriptors: INFORMATIQUE; LOGICIEL; ORDINATEUR; CALCULATEUR



PROCESSUS; COMMANDE PROGRAMMEE; MULTIPROCESSEUR; CONSTRUCTION MODULAIRE;  
RESEAU ELECTRIQUE; COMMANDE; TELEACTION; TRAITEMENT INFORMATION  
French Generic Descriptors: ELECTROTECHNIQUE

Classification Codes: 140A04G03C

17/5/40 (Item 6 from file: 144)  
DIALOG(R) File 144: Pascal  
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01323530 PASCAL No.: 77-0099631  
**IMPLEMENTATION OF THE AEP REAL-TIME MONITORING SYSTEM.**  
DOPAZO J F; EHRMANN S T; KLITIN O A; SASSON A M; VAN SLYCK L S  
AMERICAN ELECTRIC POWER SERVICE CORP., NEW YORK, N.Y. 10004  
Journal: I.E.E.E. TRANS. POWER APPAR. SYST., 1976, 95 (5) 1618-1629  
Availability: CNRS-222H4  
No. of Refs.: 26 REF.  
Document Type: P (SERIAL) ; A (ANALYTIC)  
Country of Publication: USA  
Language: ENGLISH  
DESCRIPTION DES DIFFERENTS MODULES ET INTERFACE DU LOGICIEL DU SYSTEME DE  
TELESURVEILLANCE EN TEMPS REEL PAR ORDINATEUR EQUIPANT UN GRAND RESEAU  
AMERICAIN. ALGORITHME D'ESTIMATION D'ETAT. RESULTATS D'EXPLOITATION.

English Descriptors: CONTROL CENTER; CONTROL; STATE ESTIMATION; **SOFTWARE** ;  
**COMPUTERS** ; ELECTRICAL NETWORK ; **REMOTE OPERATION** ; **REMOTE**  
SUPERVISION; INFORMATION PROCESSING  
English Generic Descriptors: ELECTRICAL ENGINEERING; ENERGY

French Descriptors: RESEAU ELECTRIQUE; COMMANDE; ESTIMATION ETAT; CENTRE  
COMMANDE; TRAITEMENT INFORMATION; LOGICIEL; TELESURVEILLANCE; ORDINATEUR;  
SURVEILLANCE; TELEACTION  
French Generic Descriptors: ELECTROTECHNIQUE; ENERGIE

Classification Codes: 140A05B08

17/5/41 (Item 1 from file: 233)  
DIALOG(R) File 233: Internet & Personal Comp. Abs.  
(c) 2001 Info. Today Inc. All rts. reserv.

00394286 95LA08-312  
Remote - control software for OS/2 has arrived -- Hilgraeve's  
**KopyKat controls the desktop over network, phone line**  
Johnson, M Harry  
LAN Times , August 28, 1995 , v12 n16 p86, 1 Page(s)  
ISSN: 1040-5917  
Company Name: Hilgraeve  
Product Name: KopyKat  
Languages: English  
Document Type: Software Review  
Grade (of Product Reviewed): B  
Hardware/Software Compatibility: IBM PC Compatible; OS/2  
Geographic Location: United States  
Presents a favorable review of KopyKat v1.1 (\$199), a remote application  
for controlling OS/2 machines over a network or modem from Hilgraeve Inc.  
of Monroe, MI (313). Says KopyKat enables a user to configure, control, and  
troubleshoot OS/2 machines remotely, and it provides a fine array of  
features, including a Crash Recovery feature and support for modem speeds  
of up to 115,200bps. Maintains that installation is very simple, and that  
the product is extremely reliable and easy to use. Concludes that KopyKat  
is a genuine bargain for remote OS/2 users. Includes one screen display.  
(CH)  
Descriptors: Software Tools; OS/2; Remote Computing; Networks; Modem  
; Disaster Recovery; Software Review

Identifiers: KopyKat; Hilgraeve

17/5/42 (Item 2 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00375613 95PQ02-203

**Microsoft Systems Management Server**

Garris, John

PC Magazine-Network Edition , February 21, 1995 , v14 n4 pNE18-NE20, 3

Page(s)

ISSN: 0888-8507

Company Name: Microsoft

Product Name: Microsoft Systems Management Server

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B

Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows

Geographic Location: United States

Presents a favorable review of Microsoft Systems Management Server (\$649 per server), a desktop network management platform from Microsoft Corp. of Redmond, WA (206). Runs on IBM PC compatibles. Explains that the Microsoft Systems Management Server's use of a distributed architecture and tight integration with Windows NT enables the Systems Management Server (SMS) to be the first PC management package to address the needs of multisite networks. Indicates that SMS allows you to inventory hardware and software, distribute software updates, control clients remotely, and gather network diagnostics anywhere on the enterprise. Reports that SMS is a powerful package with excellent Windows NT and SQL Server integration, and its remote-control and troubleshooting tools are very well integrated. However, notes that SMS requires a complicated setup, and it is quite expensive and rather difficult to learn. Includes one screen display and one table. (jo)

Descriptors: Network Management; Network **Operating** Systems;

**Internetworking** ; Remote Computing; **Software** Review; Administration;

**Client** -Server Computing

Identifiers: Microsoft Systems Management Server; Microsoft

17/5/43 (Item 3 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00324380 93IW09-118

**LANlord 2.0 is robust workstation manager -- Latest version of Microcom's utility package adds remote control software and virus protection**

Carleton, Mary

InfoWorld , September 13, 1993 , v15 n37 p93-95, 3 Page(s)

ISSN: 0199-6649

Company Name: Microcom

Product Name: LANlord

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B

Hardware/Software Compatibility: IBM PC Compatible

Geographic Location: United States

Presents a favorable review of LANlord v2.0 (\$2,495 for 50-node license, \$4,299 for 100-node license, and \$8,999 for 250-node license), a network utility software package from Microcom Inc. of Yonkers, NY (800, 914). Requires Ethernet, Token Ring, or ARCnet LAN; NetWare 2.1x, 2.2, or 3.11; LAN Manager 1.3 or later; LAN Server 1.3 or later; and OS/2 workstation for LANlord server. Says it is good as a workstation manager, has good application metering, includes virus protection and remote control, and has WAN capabilities; but it has limited software inventories, has no server monitoring, and requires IBM OS/2. Received InfoWorld's Buyers Assurance Seal and an overall score of 6.2. Contains two screen displays and a product scorecard. (cr)

Descriptors: Network Management; Utility Program; Local Area Networks  
; Workstation ; OS/2; Software Review  
Identifiers: LANlord; Microcom

17/5/44 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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02785458 JICST ACCESSION NUMBER: 96A0265953 FILE SEGMENT: JICST-E  
**Development of control systems using hardware- software platform. Remote control of the equipments by the radiocommunication technology.**

MIWA AKIO (1); HIRAMATSU TAKASHI (1)

(1) Ind. Technol. Center of Okayama Prefect.

Okayamaken Kogyo Gijutsu Senta Hokoku(Report of Industrial Technology Center of Okayama Prefecture), 1995, NO.21, PAGE.63-66, FIG.4, TBL.4, REF.2

JOURNAL NUMBER: Z0392BAC ISSN NO: 0386-149X

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:654

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: Radio utilization to equipment control is not easy by constraint of the radio law. Data exchange experiment between different kinds of personal computers is carried out by using a unit mounting a terminal node controller into a 400MHz band specific low power radio transmitter. This paper describes controller specification and programming environment. There is no difficulty at 15m distance in a corridor, but a directional antenna is necessary for multi-path in indoor use. This paper describes that problems are model dependence and transfer time.

DESCRIPTORS: remote control; radio transmission; communication control; personal computer; data transfer; transmission characteristic; communication characteristic; control equipment; **computer network**

BROADER DESCRIPTORS: control; communication system; method; digital computer; computer; hardware; characteristic; equipment; communication network; information network; network

CLASSIFICATION CODE(S): JC03000K

17/5/45 (Item 2 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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02349476 JICST ACCESSION NUMBER: 95A0229357 FILE SEGMENT: JICST-E

**An Intelligent Environment for Software Development Based on Co-operative Work Among Remotely Separated Sites.**

KOIZUMI H (1); SUZUKI M (1); SIRATORI N (2)

(1) Mitsubishi Electric Corp., Tokyo, JPN; (2) Tohoku Univ., Sendai-shi, JPN

Proc 9th Int Conf Inf Netw 1994, 1994, PAGE.383-388, FIG.7, TBL.1, REF.5

JOURNAL NUMBER: K19950091W

UNIVERSAL DECIMAL CLASSIFICATION: 681.3.02.001

LANGUAGE: English COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

DESCRIPTORS: computer system development; support program; user interface; groupware; **computer network** ; distributed coordination; programming environment

BROADER DESCRIPTORS: development; computer program; software; interface; application program; communication network; information network; network

CLASSIFICATION CODE(S): JD02010R

17/5/46 (Item 3 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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01396267 JICST ACCESSION NUMBER: 91A0856254 FILE SEGMENT: JICST-E

**A Study on an Application of OSI Management to Computer Remote Operation and Maintenance System.**

MORI TAKAHIKO (1)

(1) NTTJohotsushinmouken

Joho Shori Gakkai Zenkoku Taikai Koen Ronbunshu, 1991, VOL.43rd,NO.1,  
PAGE.1.317-1.318, FIG.2, TBL.4

JOURNAL NUMBER: S0731ACN

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:654 681.3.066

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

DESCRIPTORS: **computer network** ; maintenance; supervisory program;  
communication administration; remote control; console

BROADER DESCRIPTORS: communication network; information network; network;  
maintenance management; control program; operating system; system  
program; computer program; software; management; control; control  
equipment; equipment

CLASSIFICATION CODE(S): JC03000K; JD03020J

17/5/47 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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899298 ORDER NO: AAD85-24916

**REPLICATED DISTRIBUTED PROGRAMS (FAULT TOLERANCE, COMMUNICATION  
PROTOCOLS, OPERATING SYSTEMS, REMOTE PROCEDURE CALL, COMPUTER  
NETWORKS)**

Author: COOPER, ERIC CHARLES

Degree: PH.D.

Year: 1985

Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, BERKELEY (0028)

Source: VOLUME 46/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3121. 135 PAGES

Descriptors: COMPUTER SCIENCE

Descriptor Codes: 0984

This dissertation presents a new software architecture for fault-tolerant distributed programs. This new architecture allows replication to be added transparently and flexibly to existing programs. Tuning the availability of a replicated program becomes a programming-in-the-large problem that a programmer need address only after the individual modules have been written and verified.

The increasing reliance that people place on computer systems makes it essential that those systems remain available. The low cost of computer hardware and the high cost of computer software make replicated distributed programs an attractive solution to the problem of providing fault-tolerant operation.

A troupe is a set of replicas of a module, executing on machines that have independent failure modes. Troupes are the building blocks of replicated distributed programs and the key to achieving high availability. Individual members of a troupe do not communicate among themselves, and are unaware of one another's existence; this property is what distinguishes troupes from other software architectures for fault tolerance.

Replicated procedure call is introduced to handle the many-to-many pattern of communication between troupes. Replicated procedure call is an elegant and powerful way of expressing many distributed algorithms. The semantics of replicated procedure call can be summarized as exactly-one execution at all replicas.

An implementation of troupes and replicated procedure call is described. Experiments were conducted to measure the performance of this implementation; an analysis of the results of these experiments is presented.

The problem of concurrency control for troupes is examined, and

algorithms for replicated atomic transactions are presented as a solution. Binding and reconfiguration mechanisms for replicated distributed programs are described, and the problem of when to replace failed troupe members is analyzed.

Several issues relating to programming languages and environments for reliable distributed applications are discussed. Integration of the replication mechanisms into current programming languages is accomplished by means of stub compilers. Four stub compilers are examined, and some lessons learned from them are presented. A language for specifying troupe configurations is described, and the design of a configuration manager, a programming-in-the-large tool for configuring replicated distributed programs, is presented.

26/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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4854264 INSPEC Abstract Number: B9502-6210L-071, C9502-7210L-015

**Title:** Everywhere Access: remote control software for the Internet

**Author(s):** Beckett, G.

**Author Affiliation:** Health Sci. Libr., Memorial Univ. of Newfoundland, St. John's, Nfld., Canada

**Journal:** Library Software Review vol.13, no.2 p.113-16

**Publication Date:** Summer 1994 **Country of Publication:** USA

**CODEN:** LSREEA **ISSN:** 0742-5759

**U.S. Copyright Clearance Center Code:** 0742-5759/94/\$.25+.10

**Language:** English **Document Type:** Journal Paper (JP)

**Treatment:** Practical (P)

**Abstract:** There is a new software program from Supro Network Software called Everywhere Access, a software package that provides remote access to a **networked personal computer** via the telnet program associated with Transmission Control Protocol Internet Protocol (TCP/IP) networking. With Everywhere Access running on a PC, a user can access the host PC from home or office using any computer or terminal that can telnet to other **computers** on the **network**. Once connected to the host PC, it is possible to operate any character mode program that the host computer is capable of running. Because the access is via telnet, any terminal or computer that can create a telnet session can access the host Everywhere Access computer. The ability of Everywhere Access to provide telnet access to DOS-based PCs is important for libraries because of the current dependency on DOS for accessing library information resources. Typically, most CD-ROM databases or other electronic information sources are only available with DOS-based software. Although this dependency on DOS is beginning to change, it has certainly been true in the past that advanced computer operating systems that customarily supported telnet access could not also run DOS programs such as CD-ROM database search software. (0 Refs)

**Subfile:** B C

**Descriptors:** access protocols; CD-ROMs; Internet; library automation; local area networks; microcomputer applications; online front-ends; software packages

**Identifiers:** Internet; remote control software; Everywhere Access; software program; Supro Network Software; remote access; **networked personal computer**; telnet program; Transmission Control Protocol Internet Protocol networking; host PC; character mode program; DOS-based PCs; libraries; library information resources; electronic information sources

**Class Codes:** B6210L (Computer communications); B6150M (Protocols); C7210L (Library automation); C5620W (Other computer networks); C6150N (Distributed systems software); C5620L (Local area networks); C5640 (Protocols); C7250L (Non-bibliographic retrieval systems); C7250N (Front end systems for online searching); C6155 (Computer communications software)

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26/5/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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03418024 INSPEC Abstract Number: B89050338, C89049538

**Title:** Remote-control software: PCs apart, but not alone

**Author(s):** Lowe, S.J.

**Journal:** Data Communications vol.18, no.5 p.97-104

**Publication Date:** April 1989 **Country of Publication:** USA

**CODEN:** DACODM **ISSN:** 0363-6399

**Language:** English **Document Type:** Journal Paper (JP)

**Treatment:** Applications (A); Practical (P); Product Review (R)

**Abstract:** Software that allows a PC operator not only to access but also to control another PC is flourishing. Some packages even extend this remote-control capability so that an operator at a distant PO can view and change files in use on any **LAN workstation**. As new releases of remote-control software are enhanced, they grow increasingly more complex. To accomplish the appearance of mutual PC activity, remote-control software

requires considerably more programming effort than do general-purpose communications packages. The author explains how these packages work and what they can be used for. She goes on to look at some specific companies and their uses of such remote control software. An evaluation of five packages is given: Carbon Copy Plus 5.0, Co/Session 3.1, pcAnywhere, Close-Up and Remote 2 1.1. Some other packages are also looked at. (0 Refs)

Subfile: B C

Descriptors: computer communications software; local area networks; microcomputer applications; software packages; telecontrol

Identifiers: PC-to-Mac connectivity; PC operator; remote-control capability; distant PO; **LAN workstation** ; remote-control software; mutual PC activity; programming effort; communications packages; Carbon Copy Plus; Co/Session; pcAnywhere; Close-Up; Remote 2

Class Codes: B6210L (Computer communications); C6155 (Computer communications software)

26/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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02224932 INSPEC Abstract Number: B84022081, C84016018

**Title: Telemetry and telecontrol applications in oil and gas extraction process**

Author(s): Govindarajan, P.

Author Affiliation: Min. of Defence, New Delhi, India

Journal: Journal of the Institution of Electronics and Telecommunication Engineers vol.29, no.8 p.381-6

Publication Date: Aug. 1983 Country of Publication: India

CODEN: JIETAU ISSN: 0377-2063

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Practical (P)

**Abstract:** The presentation to the computer based telemetry and telecontrol system being engineered by RCPO for application in oil and gas extraction in Bombay offshore oil fields of ONGC. The system consists of a number of complexes, each comprising a central gathering platform having a PDP-11 computer based telemetry master with remote terminal units (RTUs) in outlying unmanned platforms around the central platform. The RTUs are solar powered and are linked to the master via FDM/FM/UHF radio links. Some RTUs are linked directly by a 4 wire communication cable. The central locations comprising the computer are called nodes. Primary function of each node is to have a totally independent telesupervisory and control system gathering data from RTUs from remote well platforms and effecting control over some important functions. Type of parameters monitored/controlled through RTU are (a) Analogue (Pressure, Temperature, Flow, Level), (b) Status (High/low Pressure, Temperature, Level), (c) Integrator. Dynamic colour graphic pictures of processes are displayed on a VDU monitor for easy operator interaction. Each node is capable of monitoring/controlling approximately 8000 points and displaying 350 pictures. For the purposes of data archiving and management information service at ONGC Headquarters at Bandra, all nodes are being interlinked via 2 GHz satellite digital communication circuits providing a **computer network** with resource sharing facilities. (0 Refs)

Subfile: B C

Descriptors: computerised control; digital communication systems; natural gas technology; oil technology; satellite relay systems; telecontrol; telemetering

Identifiers: oil extraction; computer based telemetry; telecontrol; RCPO; gas extraction; Bombay; offshore oil fields; ONGC; PDP-11 computer based telemetry master; remote terminal units; unmanned platforms; FDM/FM/UHF radio links; telesupervisory and control system; colour graphic pictures; VDU monitor; monitoring; controlling; management information service; satellite digital communication circuits; **computer network** ; resource sharing

Class Codes: B6210J (Telemetry); B6250G (Satellite relay systems); B7210F (Telemetering systems); C3310E (Mining, oil and natural gas extraction and distribution); C3370L (Remote signalling, dispatching and safety devices);

C7420 (Control engineering)

26/5/4 (Item 1 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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04265748 E.I. No: EIP95102889776

**Title:** Network for integrating transportation operations systems (NITOS)  
**Author:** Tighe, Warren  
**Corporate Source:** DKS Associates, Oakland, CA, USA  
**Conference Title:** Proceedings of the 6th 1995 Vehicle Navigation and Information Systems Conference  
**Conference Location:** Seattle, WA, USA **Conference Date:** 19950730-19950802  
**E.I. Conference No.:** 43755  
**Source:** Vehicle Navigation and Information Systems Conference (VNIS) 1995. IEEE, Piscataway, NJ, USA, 95CH35776. p 429-435  
**Publication Year:** 1995  
**CODEN:** 85RHAZ  
**Language:** English  
**Document Type:** CA; (Conference Article) **Treatment:** A; (Applications)  
**Journal Announcement:** 9512W1  
**Abstract:** Public agencies involved in the management of transportation facilities resist efforts to integrate the operation of transportation management systems if that integration is perceived to involve a loss of local control and autonomy. A peer-to-peer wide area **computer network** is proposed as a solution to this institutional problem. The proposed network does not require a central server or database, although any agency on the network can create databases for any purpose. All integration of operations is achieved by implementation of joint operating plans developed cooperatively by the involved agencies. Any agency's system can act as the 'master' when needed in implementing such coordinated plans. (Author abstract)  
**Descriptors:** Wide area networks; Management information systems; Highway traffic control; Telecommunication traffic; Database systems; Real time systems; **Remote control** ; **Computer software**  
**Identifiers:** Transportation management systems; Peer to peer wide area **computer networks** ; Real time management  
**Classification Codes:**  
722.3 (Data Communication, Equipment & Techniques); 723.2 (Data Processing); 432.4 (Highway Traffic Control); 723.3 (Database Systems); 722.4 (Digital Computers & Systems); 731.1 (Control Systems)  
722 (Computer Hardware); 723 (Computer Software); 432 (Highway Transportation); 731 (Automatic Control Principles)  
72 (COMPUTERS & DATA PROCESSING); 43 (TRANSPORTATION); 73 (CONTROL ENGINEERING)

26/5/5 (Item 2 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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02680483 E.I. Monthly No: EI8812117375

**Title:** REMOTE-CONTROL SYSTEMS FOR ELECTRIC-RAILWAY POWER NETWORKS.  
**Author:** Mizutani, Tsugio  
**Corporate Source:** Mitsubishi Electric Corp Power and Industrial Systems Cent, Jpn  
**Source:** Mitsubishi Electric Advance v 43 Jun 1988 p 16-18  
**Publication Year:** 1988  
**CODEN:** MEADD4 **ISSN:** 0386-5096  
**Language:** English  
**Document Type:** JA; (Journal Article) **Treatment:** A; (Applications)  
**Journal Announcement:** 8812  
**Abstract:** Owing to the growing population of Japan's large cities and suburbs, electric trains are being run more frequently and are longer. To prevent train service interruptions, reliable power-supply networks are essential. If a fault occurs in a network, the central power-control office



must first identify the problem and its consequences, and then swiftly and safely perform the complicated power-rerouting operations to restore services. In complicated applications where a single central computer cannot meet the processing requirements, smaller computers have been installed in substations, and are linked to the central **computer** via a communication **network**. Such systems generally employ a fault-tolerant design that upgrades system automation while ensuring system operation. This article covers the features and software functions of these remote-control systems, and introduces two typical installations.

Descriptors: LOCOMOTIVES, ELECTRIC--\*Remote Control ; CONTROL SYSTEMS; COMPUTER SOFTWARE

Identifiers: ELECTRIC-RAILWAY POWER NETWORKS; REMOTE-CONTROL SYSTEMS; SOFTWARE FUNCTIONS

Classification Codes:

682 (Railroad Rolling Stock); 732 (Control Devices); 731 (Automatic Control Principles); 723 (Computer Software)

68 (RAILROAD ENGINEERING); 73 (CONTROL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING)

26/5/6 (Item 1 from file: 6)

DIALOG(R) File 6:NTIS

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1703481 NTIS Accession Number: PB93-132207

### **Underground Test Results of a Laser-Based Tram Control System for a Continuous Miner**

(Rept. of investigations/1992)

Anderson, D. L.

Bureau of Mines, Pittsburgh, PA. Pittsburgh Research Center.

Corp. Source Codes: 004993027

Report No.: BUMINES-RI-9440

1992 15p

Languages: English

Journal Announcement: GRAI9307

See also PB90-265588 and PB91-241232. Library of Congress catalog card no. 92-5712.

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NTIS Prices: PC A03/MF A01

Country of Publication: United States

The report documents the status of a laser-based underground guidance system for tracking and controlling the movements of underground mobile mining equipment. The research is part of a multiple project effort at the U.S. Bureau of Mines to increase mine safety and efficiency by developing technology for computer-assisted mining. Guidance systems which can track and control the movements of underground mining equipment are essential during computer-assisted mining operations. A Joy 16CM continuous mining machine at the Bureau's surface test facility served as the testbed for initial development and experimentation of the guidance system. Subsequently, a Joy 14CM in an underground mine served as the platform for in-mine experimentation. The first section of the report includes details of the laser sensors, communication **network**, and **computer** hardware. The following section includes experimental results which show the system capable of accurately tracking and controlling the tram maneuvers of a continuous miner underground. The final section discusses conclusions and recommendations.

Descriptors: Mining equipment; \*Guidance; \*Laser applications ; Remote control ; Underground mining; Guidance sensors; Tracking(Position); Systems engineering; Position(Location); Mining engineering; Controllers

Identifiers: \*Continuous mining machines; NTISDIBM

Section Headings: 48A (Natural Resources and Earth Sciences--Mineral Industries); 41M (Manufacturing Technology--Optics and Lasers)

26/5/7 (Item 2 from file: 6)

DIALOG(R)File 6:NTIS

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1512271 NTIS Accession Number: DE90007485

**Implementation of a control system test environment in UNIX**

Brittain, C. R. ; Otaduy, P. J. ; Rovere, L. A.

Oak Ridge National Lab., TN.

Corp. Source Codes: 021310000; 4832000

Sponsor: Department of Energy, Washington, DC.

Report No.: CONF-9004138-2

1990 20p

Languages: English Document Type: Conference proceeding

Journal Announcement: GRAI9017; ERA9028

Canadian Nuclear Society international conference on simulation methods in nuclear engineering (3rd), Montreal (Canada), 18-20 Apr 1990. Sponsored by Department of Energy, Washington, DC.

Portions of this document are illegible in microfiche products. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

Country of Publication: United States

Contract No.: AC05-84OR21400

This paper discusses how UNIX features such as shared memory, remote procedure calls, and signalling have been used to implement a distributed computational environment ideal for the development and testing of digital control systems. The resulting environment -based on features commonly available in commercial workstations- is flexible, allows process simulation and controller development to proceed in parallel, and provides for testing and validation in a realistic environment. In addition, the use of shared memory to exchange data allows other tasks such as user interfaces and recorders to be added without affecting the process simulation or controllers. A library of functions is presented which provides a simple interface to using the features described. These functions can be used in either C or FORTRAN programs and have been tested on a **network** of **Sun workstations** and an **ENCORE** parallel computer. 6 refs., 2 figs.

Descriptors: Control Systems; \*Digital Systems; Accuracy; Algorithms; Communications; Computer Architecture; Computer Graphics; Computerized Simulation; Data Processing; Design; Dynamics; FORTRAN; Flexibility; I Codes; Implementation; Interfaces; Memory Devices; Performance Testing; **Remote Control** ; Research Programs ; Test Facilities; Meetings

Identifiers: \*Computer systems programs; EDB/426000; EDB/990200; NTISDE

Section Headings: 49GE (Electrotechnology--General); 72GE (Mathematical Sciences--General)

**26/5/8 (Item 3 from file: 6)**

DIALOG(R)File 6:NTIS

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0451928 NTIS Accession Number: N74-22773/7/XAB

**Study to Design and Develop Remote Manipulator System**

(Quarterly Report, 1 May - 1 Aug. 1973)

Hill, J. W. ; Sword, A. J.

Stanford Research Inst., Menlo Park, Calif.

Report No.: NASA-CR-138237; QR-1

Aug 73 39p

Journal Announcement: GRAI7418; STAR1214

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

Contract No.: NAS2-7507; SRI PROJ. 2583

Human performance measurement techniques for remote manipulation tasks and remote sensing techniques for manipulators are described for common

manipulation tasks, performance is monitored by means of an **on -line computer** capable of measuring the joint angles of both master and slave arms as a function of time. The computer programs allow measurements of the operator's strategy and physical quantities such as task time and power consumed. The results are printed out after a test run to compare different experimental conditions. For tracking tasks, we describe a method of displaying errors in three dimensions and measuring the end-effector position in three dimensions. (Author)

Descriptors: Human performance; \*Manipulators; \*Operator performance; \*Remote handling; Computer programs ; Error analysis; Remote sensors

Identifiers: NTISNASA

Section Headings: 95D (Biomedical Technology and Human Factors Engineering--Human Factors Engineering)

26/5/9 (Item 4 from file: 6)

DIALOG(R)File 6:NTIS

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0284075 NTIS Accession Number: AD-728 377/XAB

**Man-Computer Interaction Conference. National Physical Laboratory, Teddington, Middlesex, England**

(Conference rept)

Mathieu, R. D.

Office of Naval Research London (England)

Corp. Source Codes: 265000

Report No.: ONRL-C-11-71

7 Jul 71 16p

Document Type: Conference proceeding

Journal Announcement: GRAI7119

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NTIS Prices: PC A02/MF A01

Within the past few years great strides have been made in computer technology, in particular in remote-terminal time-sharing facilities and computer languages. For the first time the computer and its tremendous powers have been brought within the reach of such people as teachers, doctors, managers, architects, designers, etc. This report describes the proceedings of the Man-Computer Interaction Conference, which was held at the National Physical Laboratory, Teddington, UK on 2-4 September 1970. Emphasis was placed on the computer use and computer applications. (Author)

Descriptors: Computers; \*Programming(Computers); Symposia; Man-machine systems; Management planning; Pattern recognition; Reading machines; Time sharing; Programming languages; Graphics; Programmed **instruction ; Remote control** systems; Design; Great Britain

Identifiers: Management information systems; Computer aided design; Computer aided instruction; **Computer** graphics; **On line computers ;** Interactive **computer** graphics; NTISN

Section Headings: 62A (Computers, Control, and Information Theory--Computer Hardware); 62B (Computers, Control, and Information Theory--Computer Software)

26/5/10 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00268363 92PI02-160

**Carbon Copy Plus -- Modem remote- control software**

Cohn, Michael

PC Magazine , February 25, 1992 , v11 n4 p196, 198+, 3 Page(s)

ISSN: 0888-8507

Company Name: Microcom

Product Name: Carbon Copy Plus

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): b

Geographic Location: United States

Presents a favorable review of Carbon Copy Plus 6.0 (\$199), modem remote control software from Microcom Inc. of Norwood, MA (800, 617). Requires DOS 2.0 or later; host needs 60KB of RAM, guest needs 190KB of RAM. Says Carbon Copy Plus features a **terminal** emulator, **LAN** remote control software, excellent file transfer speed, two chat windows, support for 51 modems and modem types, run-length encoding, support for DESQview and QEMM, a call-back feature, two levels of password protection, and well-organized documentation. Also says the software is easy to install; but the LAN remote control portion lacks mouse and Windows support, and online help is sparse. Includes a photo, a screen display, a score card, and a product summary. (tbcb)

Descriptors: Remote Computing; Telecommunications; Software Review; Benchmark Testing

Identifiers: Carbon Copy Plus; Microcom

26/5/11 (Item 2 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00262777 91MU12-007

**Timbuktu and Carbon Copy/Mac -- Timbuktu version 4.0 outmaneuvers Carbon Copy/Mac version 2.0 when it comes to features and performance in remote-control software,...**

Steinberg, Jeffrey A

MacUser , December 1, 1991 , v7 n12 p78-83, 3 Page(s)

ISSN: 0884-0997

Company Name: Microcom; Farallon Computing

Product Name: Carbon Copy/Mac; Timbuktu

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): b; c

Geographic Location: United States

Presents a mixed review of Carbon Copy/Mac (\$299 per zone) from Microcom Inc., Norwood, MA (800, 617) and a favorable review of Timbuktu (\$195 per node) from Farallon Computing, Emeryville, CA (510). Both program allow network support personnel to remotely monitor **computers** on a **network**. Both provide password protection to control access to the user-authorization screen and to control access to the host. Both provide screen sharing, but only Timbuktu supports color screens. The programs also provide software to operate a file server remotely. Timbuktu has file transfer speeds 30 to 50 percent faster than Carbon Copy/Mac, but the latter program offers the capability for host users to disable file transfer to and from the System Folder, as well as transferring compressed files. Timbuktu offers more features and better performance, the price differential makes Carbon Copy/Mac an attractive choice. Includes two screen displays. (djd)

Descriptors: Networks; Remote Computing; Software Review

Identifiers: Carbon Copy/Mac; Timbuktu; Microcom; Farallon Computing

26/5/12 (Item 3 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00172712 88PN07-107

**PC remote-control programs are suitable solution for some**

Schuster, Jonathan

PC Week Connectivity , July 11, 1988 , v5 n28 pC/22-C/31, 4 Pages

ISSN: 0740-1604

Languages: English

Document Type: Buyer and Vendor Guide

Geographic Location: United States

Article discusses PC remote control as a method of providing LAN access to a remote work station. Under this concept, the remote station does not act as a node in the LAN, but rather takes control of a **workstation** in

the LAN and uses it for LAN access. Only screen information and keystrokes are transmitted over the relatively slow telephone lines. Includes a buyer's guide to LAN remote access products and a directory of manufacturers. (djd)

Descriptors: Local Area Networks; Feature Article; Vendor Guide; Directories

?

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Set	Items	Description
S1	105551	(REMOTE? OR DISTANCE OR DISTANT? OR TELE) (3N) (EXECUT? OR C- ONTROL? OR RUN? ? OR RUNNING OR ACTUAT? OR ACTIVAT? OR OPERAT? OR SHUTDOWN? OR SHUT????()DOWN OR CLOSE? OR CLOSING OR UPDAT- ???) OR TELECONTROL?
S2	5883023	PROGRAM? ? OR PROGRAMME OR PROGRAMMES OR APPLICATION? OR S- OFTWARE OR INSTRUCTION?
S3	4514435	COMPUTER? OR CPU OR CPUS OR CLIENT? OR TERMINAL? OR WORKST- ATION? OR WORK()STATION? OR DESKTOP? OR DESK()TOP? ?
S4	4878930	ONLINE OR ON()LINE OR INTERNET? OR INTRANET? OR EXTRANET? - OR NETWORK? OR WEB OR LAN OR LANS OR WAN OR WANS OR WAIS
S5	883	S1(3N)S2(S)S3(3N)S4
S6	91159	(REMOTE?) (3W) (EXECUT? OR MANAGE OR MANAGING OR MANAGEMENT - OR CONTROL? OR RUN? ? OR RUNNING OR ACTUAT? OR ACTIVAT? OR OP- ERAT? OR UPDAT???) OR TELECONTROL?
S7	786	S6(3N)S2(S)S3(3N)S4
S8	82828	(REMOTE?) (3W) (EXECUT? OR MANAGE OR MANAGING OR MANAGEMENT - OR CONTROL? OR RUN? ? OR ACTUAT? OR ACTIVAT? OR UPDAT???)
S9	740	S8(3N)S2(S)S3(3N)S4
S10	574	S9 NOT PY=1999:2001
S11	331	S10 NOT PY=1996:1998
S12	295	RD (unique items)
S13	373707	(COMPUTER? OR CPU OR CPUS OR TERMINAL? OR WORKSTATION? OR WORK()STATION?) (3N)S4
S14	424	S8(3N)S2(S)S13
S15	356	S14 NOT PY=1999:2001
S16	258	S15 NOT PY=1996:1998
S17	236	RD (unique items)
S18	236	Sort S17/ALL/PD,A

18/3,K/1 (Item 1 from file: 160)  
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00741026

Digital Equipment has developed new software that will extend the number of operating systems on its PDP-11 computers, which support the Phase III network software for Decnet, the company's distributed processing architecture.

Data Channels March 8, 1982 p. 41

... data when a line in the network goes down; multipoint communications, which lets up to 16 tributary stations share a line to a control station; network command terminals, which allow interactive communication with remote systems; and network management software, which allows control centers to be established at any node for managing network traffic. The 3 operating systems for which interfaces to Decnet have just...

18/3,K/2 (Item 2 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01142628 SUPPLIER NUMBER: 00618113

Local Network Supports HP 3000 Computers.

Data Communications, v14, n3, p338

March, 1985

DOCUMENT TYPE: product announcement ISSN: 0363-6399 LANGUAGE:  
ENGLISH RECORD TYPE: ABSTRACT

ABSTRACT: Hewlett-Packard has announced a local area network to support its HP 3000 family of computers. The LAN 3000 Link conforms to the Institute of Electrical and Electronic Engineers (IEEE) 802.3 standard. Using Carrier Sense Multiple Access with Collision Detection (CSMA-CD...

...conforms to the Open Systems Interconnection (OSI) model. The new software provides support for data base access, file transfer, virtual terminals, peripheral access, program-to-program communication, and remote -process management. The LAN-3000 Link is priced at \$5,000.

18/3,K/3 (Item 3 from file: 275)  
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01154220 SUPPLIER NUMBER: 00638606 (USE FORMAT 7 OR 9 FOR FULL TEXT)

RS-232C LANs: A Basic Bargain.

Derfler, F.J.Jr.

PC Magazine, v4, n17, p189-191

Aug. 20, 1985

DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 4009 LINE COUNT: 00301

... simultaneous file access, but it does allow file and peripheral sharing among computers for less than \$100 per network station.

The EasyLAN programs give each networked computer the ability to execute several special DOS commands on any machine it is connected to by RS-232C cable. The RS-232C connection can be...

...on the host, copy files between drives on the host and remote, and print a file on the host's printer. However, you can't remotely run programs or access files.

Because EasyLAN keeps things simple, network stations don't seem to lose much speed doing their regular processing jobs unless a remote

18/3,K/4 (Item 4 from file: 275)  
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01176004 SUPPLIER NUMBER: 00666224 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Remote-control software packages put users in touch with distant PCs, LANs.**  
Churbuck, David  
PC Week, v3, n15, p117  
April 15, 1986  
ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1498 LINE COUNT: 00113

...ABSTRACT: number of companies have developed software packages that provide personal computer users with remote access to local area networks, extending the reach of the personal **computers** to local area **networks** or other personal **computers** to which the user has access. Novell Inc. and 3Com Corp. now offer versions of their LAN software accommodating remote users, and companies such as...

...developer go into the field, and an expected future application is use of the programs to expand networks to personnel on the road. CAPTION:  
Typical **applications** of **remote-control software** .

18/3,K/5 (Item 5 from file: 160)  
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01348915  
**Letting A Test Engineer Be Two Places At Once.**  
ELECTRONICS May 19, 1986 p. 76,77

Teradyne's Automated **Remote Control software** is designed to solve the problems of operating remote test systems. The package permits an engineer to set up, monitor, and trouble-shoot A300-Series...

... automatic test equipment networking system. The software's virtual terminal capability enables any A300-Series system on the Teranet network to be accessed from any **terminal** on the **network** , and it lets engineers be in 2 places at once. Owners of the A300-Series testers can use the ARC software to increase the productivity...

18/3,K/6 (Item 6 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
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01519541  
**Transfer system ties PC users to E-mail center.**  
COMPUTERWORLD December 8, 1986 p. 101

...configuration of the Pipenet is an IBM Personal Computer AT with 640 Kbytes of RAM, plus at least 20 Mbytes of hard disc storage. The **software** for **remote** operators runs on IBM PCs and compatibles with at least 384 Kbytes of random access memory and a Hayes Microcomputer Products-compatible modem. Pipenet can also be used to link remote **LANs** and individual **workstations** .

18/3,K/7 (Item 7 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
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01590794  
**Remote-control from Meridian.**  
COMPUTER RESELLER NEWS March 9, 1987 p. 93



... protocols in one integrated package. Designed for IBM PCs and compatibles, the new product includes all of the capabilities of Meridian's current Carbon Copy program. Upgrades include additional remote-control features, the ability to emulate a full complement of terminals for access to on-line databases, compatibility with Crosstalk script files and support of X-modem and Kermit protocols for file-transfer tasks.  
...

18/3,K/8 (Item 8 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01211841 SUPPLIER NUMBER: 04812903 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Presenting a few items from a LAN manager's wish list. (connectivity section)**  
Jones, Delbert  
PC Week, v4, n19, pC33(1)  
May 12, 1987  
ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1844 LINE COUNT: 00145

... access LAN resources at night and on weekends. The remote sales person wants to have full access to the office LAN from a customer site.

**Remote control programs** already exist that allow a remote user to take over a PC workstation from a remote location. These programs make 1,200-baud communications with a LAN feasible, since only the keyboard and screen information are transmitted over the telephone line while the program actually runs on the host **computer** at the **LAN**.

However, this technique requires dedicating a network PC to handle incoming calls. A better solution would be an inexpensive coprocessor card that combines processor, memory...

18/3,K/9 (Item 9 from file: 160)  
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01730324  
**Microsoft, 3Com Agree to Co-Develop OS/2 LAN**  
Electronic News July 6, 1987 p. 19  
ISSN: 0013-4937

... to distribute the LAN Manager to value-added resellers. The LAN Manager will give the OS/2 the capability to distribute processing tasks among different **workstations** and servers. The **LAN Manager** will also support built-in error logging, network statistics, **remote program execution**, server-to-station problem notification, and security monitoring. The LAN Manager will be able to exchange data with several LANs including 3Com's 3+, Token...

18/3,K/10 (Item 10 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01203680 SUPPLIER NUMBER: 06097368  
**A resource sharing system for personal computers in a LAN: concepts, design, and experience. (local area network) (technical)**  
Summers, Rita C.  
IEEE Transactions on Software Engineering, v13, n8, p895(10)  
Aug, 1987  
DOCUMENT TYPE: technical ISSN: 0098-5589 LANGUAGE: ENGLISH  
RECORD TYPE: ABSTRACT

ABSTRACT: The RM system supports the use of distributed services by personal **computers** in a **LAN**. Using a service-request model, LAN users can offer and use services which are either user-written or off-the-shelf

applications. RM supports concurrent activities for users, and provides program interfaces for the development of distributed **applications**. **Remote execution** is also supported within the service-request framework. Existing software products can be used as services. An overview of RM concepts, design, and implementation is...

18/3,K/11 (Item 11 from file: 275)  
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01203293 SUPPLIER NUMBER: 06016758  
**PC networking heats up. (3Com and Microsoft form local area network development agreement)**  
Millikin, Michael D.  
Patricia Seybold's Office Computing Report, v10, n8, p14(2)  
Aug, 1987  
ISSN: 1057-8889 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: software based on the LAN Manager to value-added dealers. The objective of the OS-2-LAN Manager is to establish a standard for microcomputer **networking** consistent with **computer** industry movement toward standards. LAN Manager offers: extension of interprocess communications across the network; support of DOS 3.x and OS-2 workstations; improved security and administration; **remote program execution**; remote device sharing; access to 16Mbyte memory and open architecture for customization.

18/3,K/12 (Item 12 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00374782 87-33616  
**Epson Computer Network Maintains Golf Scores, Stats, Data at PGA Meets**  
Forbes, Mark  
Computer Technology Review v7n10 PP: 4, 8 Aug 1987  
ISSN: 0278-9647 JRNL CODE: CTN

ABSTRACT: Epson America Inc., the "Official Computer of the PGA" (Professional Golf Association), has developed a **computerized** scorekeeping **network** that includes up to 21 Equity 3 personal computers located around the golf course. The network provides up-to-the-minute scores from each hole...

... software package. The present system on tour with the PGA uses a twisted-pair network with cables laid parallel to those used for television. Each **remote** terminal **runs** the whole **software** package, so network transactions simply send raw data in a broadcast mode to the **terminals**. Hayes modems handle **network** transmission.

18/3,K/13 (Item 13 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00370254 87-29088  
**Net Management in a DEC World (Part 2)**  
Latriano, Michael  
Network World v4n31 PP: 11-12 Aug 3, 1987  
ISSN: 0887-7661 JRNL CODE: NWW

...ABSTRACT: umbrella product to integrate its various products, DEC supports a series of net management products. These include: 1. VAX Ethernim, which is an Ethernet maintenance **program**, 2. **Remote Bridge Management Software**, for use with LAN Bridge 100, 3. LAN Traffic Monitor, which captures information on traffic from a bridged **network**, 4. **Terminal Server Manager**, which manages terminal servers and associated

devices, and 5. PBX/Facilities Management System and Cable/Facilities Management System, which address voice network management...

18/3,K/14 (Item 14 from file: 275)  
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01213166 SUPPLIER NUMBER: 05166613 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Cost and users' needs determine method used to link remote LANs.**  
(connectivity section) (column)  
Jones, Del  
PC Week, v4, n36, pC41(1)  
Sept 8, 1987  
DOCUMENT TYPE: column ISSN: 0740-1604 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 933 LINE COUNT: 00077

... line. Since the remote computer is doing the processing, large programs and databases can be used without having massive data transmitted through the telephone line.

**Remote-control programs** are the premium form of remote LAN access. As the operator is actually running a program on the remote computer, the sessions can be very long. If long distance is involved, the telephone costs can accumulate rapidly. At 1,200 bps, **remote control programs** are tedious. Slow response times exasperate the users and stimulate transition to high-speed modems of at least 2,400 bps. Still higher baud rates are required to achieve the same feel as a local **workstation**.

Electronic-mail **LAN** programs with remote options, such as cc:Mail and Network Courier, maximize the benefits of a single communications line and workstation. Both messages and files...

18/3,K/15 (Item 15 from file: 275)  
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01211179 SUPPLIER NUMBER: 06050840 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Remote-control programs fit the bill for out-of-office management. (Section 2: Connectivity) (column)**  
Jones, Del  
PC Week, v4, n43, pC37(1)  
Oct 27, 1987  
DOCUMENT TYPE: column ISSN: 0740-1604 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 944 LINE COUNT: 00077

... managers perform after-hours LAN-management functions remotely from their homes. Dealers specializing in LAN sales have begun to insist that all customers acquire a **remote-control program** in order to simplify the dealer's support tasks. As a result, **remote-control software** is becoming a mainstream product like word processing, database management and spreadsheeting in the **LAN** market.

When a **computer** product or genre of product becomes popular, unforeseen new uses for it seem to evolve. In this case, **remote-control software** is actually beginning to spawn a new profession: contracted remote LAN management. LAN dealers and consultants are finding a new source of revenue by taking...

18/3,K/16 (Item 16 from file: 275)  
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01213071 SUPPLIER NUMBER: 06204449 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Microsoft touts functionality, speed of OS-2 LAN Manager. (Section 2: Connectivity)**

.Strom, David  
PC Week, v4, n50, pC1(2)  
Dec 15, 1987  
ISSN: 0740-1604      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT:    1697      LINE COUNT:    00132

... modem pools without the need for additional asynchronous server software, as was the case with MS-Net or NetWare.

OS/2 LAN Manager can also **remotely run programs** at the server. Indeed, almost all server operations can be accomplished from any **workstation on the network**.

A new NET ADMIN command lets network administrators run any OS/2 program from a remote workstation. This feature makes server administration easier, according to...

18/3,K/17      (Item 17 from file: 275)  
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01214114      SUPPLIER NUMBER: 06264674  
**VSAT technology for today and for the future - part 5: planning and implementing the network. (very small aperture terminal)**  
Jones, Lawrence  
Communications News, v25, n2, p44(4)  
Feb, 1988  
ISSN: 0010-3632      LANGUAGE: ENGLISH      RECORD TYPE: ABSTRACT

ABSTRACT: The key to success in implementing any VSAT (very small aperture **terminal**) **network** is planning. Important considerations in planning the network include: source selection; **applications**; hub and **remote** site installation; network **management** staff; approvals from building owners; coordination among key players and logistics. A VSAT network acquisition is a major commitment, and requires careful attention to these...

18/3,K/18      (Item 18 from file: 160)  
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01912302  
**LYON LAMB DELIVERS VASYSTEMS-1-2-3**  
News Release    February 8, 1988    p. 1

...interfacing computer graphics workstations with standard NTSC video. VASystems are completely wired and tested in a standard 19" rack, ready for simple connection to the **computer graphics workstation or network**. All VASystems come with the Lyon Lamb ENC-VI encoder/sync generator for converting RGB to composite or component video, and the MINIVAS animation controller...

... Internal Frame Code) and/or SMPTE time code. The unique design of Lyon Lamb's VASystems-1-2-3 combines fully- tested hardware and comprehensive **software** for **remote** operation completely **controlled** from the graphics workstation. VASystem-1 provides the capability of recording RS-170A video on a frame-by-frame basis to a videotape...

18/3,K/19      (Item 19 from file: 275)  
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01238595      SUPPLIER NUMBER: 06211638      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Event gives opportunity for NFS supporters to connect. (Sun Microsystems's Connectathon for its Network File System protocols) (The Practical Networker) (Connectivity Section) (column)**  
Strom, David  
PC Week, v5, n6, pC8(1)

Feb 9, 1988

DOCUMENT TYPE: column ISSN: 0740-1604 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 737 LINE COUNT: 00057

...ABSTRACT: s Network File System (NSF) protocols test their ability to connect using NSF. The protocols specify several different network-application services, including file record locking, **remote software execution**, and other utilities to maintain mixed-vendor networks. Among the companies taking part in the event were Hewlett-Packard, DEC, Data General, Harris, AT and...

...but PCs and PC-compatibles were a part of the demonstrations. New to the event in this its third year was the ability to boot **workstations** remotely from the **network** using Diskless NSF, which can boot from servers of different architectures and operating systems. The Connectathon also provides developers with a chance to get together...

18/3,K/20 (Item 20 from file: 275)  
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01239569 SUPPLIER NUMBER: 06239808 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**LAN Software. (MicroNet Inc.) (Connectivity Section) (Newswire) (product announcement)**  
PC Week, v5, n7, pC7(1)  
Feb 16, 1988  
DOCUMENT TYPE: product announcement ISSN: 0740-1604 LANGUAGE:  
ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 105 LINE COUNT: 00008

TEXT:

...and input to the same screen of an application to jointly create a document. The \$139.99 package also gives LAN managers the ability to **remotely maintain and update software on LAN workstations**, according to company officials. LANShare requires less than 12K bytes of RAM, and runs on both the server and the workstations of any NetBIOS-compatible...

18/3,K/21 (Item 21 from file: 275)  
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01242494 SUPPLIER NUMBER: 06306550 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Bridge vendors building more versatile market. (network bridges - includes related article on the confusion in LAN terms)**  
Thurber, Kenneth J.  
PC Week, v5, n12, pC-30(3)  
March 22, 1988  
ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1970 LINE COUNT: 00162

... users are not even aware that data packets being sent are traveling across ILAN nodes to different parts of the corporate network.

ILAN also contains **remote -management software** to monitor and control each ILAN node, regardless of its location, using a central-management **terminal**. This enables a **network** manager to monitor the performance of each node, gather traffic statistics and send control commands.

In a typical corporate application, several buildings are located on ...

18/3,K/22 (Item 22 from file: 275)  
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01242776 SUPPLIER NUMBER: 06617341 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Alcatel doubles 3270-like line. (Alcatel Information Systems) (product announcement)  
Electronic News, v34, n1703, p22(1)  
April 25, 1988  
DOCUMENT TYPE: product announcement ISSN: 0013-4937 LANGUAGE:  
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 628 LINE COUNT: 00048

... a \$5,150 32-session gateway and a \$2,395 eight-session gateway. Each consists of a remote communications card, for installation in a PC LAN workstation, which emulates an IBM 3274 remote controller. The configuration allows software emulation of IBM 3278 79 terminals for access to host applications.

18/3,K/23 (Item 23 from file: 275)  
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01264124 SUPPLIER NUMBER: 07312334  
Solbourne sells Sun compatibility; new competitor workstations use Sun's Sparc processor. (Solbourne Computer Inc.'s Series4) (product announcement)  
Palmer, Scott D.  
Federal Computer Week, v3, n3, p29(2)  
Jan 16, 1989  
DOCUMENT TYPE: product announcement ISSN: 0893-052X LANGUAGE:  
ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: use Sun's version of UNIX, SunOS, as well as SunView, NeWS and NeWS-X11 for windowing, and Sun's Network File System and Open Network Computer systems for networking and remote program execution. The Series4 uses Phoenix Technology's 'software coprocessor' for emulating Intel-based microcomputers and running MSDOS applications. The Series4-600 models are intended as workstations...

18/3,K/24 (Item 24 from file: 275)  
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01286773 SUPPLIER NUMBER: 07074568 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Sun NFS garners broad support: protocols will reach from PC to mainframe platforms. (Sun Microsystems Inc.'s Network File System 3.0) (Connectivity) (product announcement)  
Scott, Karyl  
PC Week, v6, n7, pC1(2)  
Feb 20, 1989  
DOCUMENT TYPE: product announcement ISSN: 0740-1604 LANGUAGE:  
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 633 LINE COUNT: 00051

...ABSTRACT: in 1984 and support transparent access to remote file systems on a network, providing a variety of communications applications such as file and record locking, remote software execution and other utilities supporting mixed-vendor networking. The number of companies that support NFS is increasing. Novell, Control Data Corp and Convergent Technologies Inc are...

...others, such as IBM, are extending their support. The result will be that NFS will run on multivendor platforms ranging from PCs and PC-based networks to mainframe computers.

18/3,K/25 (Item 25 from file: 275)  
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01290449 SUPPLIER NUMBER: 07126808 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Long distance calls. (Remote control communications software) (Connect)**  
(column)  
Manning, Ric  
PC-Computing, v2, n4, p205(2)  
April, 1989  
DOCUMENT TYPE: column ISSN: 0899-1847 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1369 LINE COUNT: 00104

**ABSTRACT:** Remote control communications software allow users to access local area networks from any computer through a modem. Remote programs allow authorized users to execute programs and transfer files from one computer to another. The programs also allow messages to...

18/3,K/26 (Item 26 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
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02347013

**Microcom - Software**  
S1 SEC Registration June 5, 1989 p. N/A

The Company's software products, which were acquired in calendar 1988, consist of the Carbon Copy family of remote control communications software products and the Relay family of PC to PC and PC to IBM mainframe communications software. The Company currently markets Carbon Copy Plus, a remote control software package enabling an IBM or compatible PC user to access, observe and control the operation of another PC from a remote site over the public dial telephone network. Management believes that Carbon Copy Plus is one of the industry's best selling remote control software packages. The Relay communications software provides PC to PC and PC to IBM mainframe file transfer and terminal emulation capability. The Relay Gold product operates on any IBM or IBM compatible PC. Relay Gold allows a PC user with a modem to access remote databases and computer networks over the public dial telephone network. The Company's Relay/VM, Relay/TSO and Relay/3270 software products run on IBM and compatible mainframes and...

18/3,K/27 (Item 27 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01296832 SUPPLIER NUMBER: 07322286 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Software extends Unix distributed computing. (Research Triangle Institute's Freedomnet) (product announcement)**  
Grossman, Evan O.  
PC Week, v6, n22, p35(2)  
June 5, 1989  
DOCUMENT TYPE: product announcement ISSN: 0740-1604 LANGUAGE:  
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 524 LINE COUNT: 00043

... ix, Pyramid OSx and other versions of Berkeley 4.3 and AT&T System V Unix.

'The major advantage we see is the ability to remotely execute a program,' said Bill Schnardthorst, a mechanization manager for Southwestern Bell Telephone Co., based in St. Louis, which has been using Freedomnet to link two Pyramid Technology Corp. superminicomputers to a Sun Microsystems Inc. server and workstation network. 'We can take a program written for the Sun and let users on the Pyramid run that software using the Sun processor.'

Southwestern Bell officials...

18/3,K/28 (Item 28 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
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02224676

**Communications**

Nation's Business July, 1989 p. 34  
ISSN: 0028-047X

A number of **remote -control programs** can help businessmen away from the office to access files in the office. Businessmen at home or out of town on business have sometimes regretted leaving certain files at the office. **Remote -control programs**, however, permit reaching programs as well as data in an office stand-alone or **networked computer**. The program is in the terminal's memory when the businessman logs out of his network. The businessman who is out of the office can...

18/3,K/29 (Item 29 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01300131 SUPPLIER NUMBER: 07344250 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Connectivity clinic.**  
Derfler, Frank J. Jr.  
PC Magazine, v8, n13, p385(3)  
July, 1989  
ISSN: 0888-8507 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 1671 LINE COUNT: 00126

... these features bring with them a great deal of overhead--such as heavily formatted low-level information--that must be transmitted across the channel.

A **remote -control program** such as Carbon Copy, Remote.sup.2., or PC Anywhere ties up a CPU at the LAN location but only screen changes and keystrokes are passed over the communications link.

I suggest you look into using a device like a J&L...

18/3,K/30 (Item 30 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2001 CMP Media, LLC. All rts. reserv.

00652035 CMP ACCESSION NUMBER: CRN19890911S4004  
**NEW PRODUCTS** (NETWORKSTECHNOLOGIES)  
COMPUTER RESELLER NEWS, 1989, n 332, 60  
PUBLICATION DATE: 890911  
JOURNAL CODE: CRN LANGUAGE: English  
RECORD TYPE: Fulltext  
SECTION HEADING: NET  
WORD COUNT: 1023

... the program for \$395. It will also introduce LANSelect, a pop-up utility that allows well-behaved applications to run from within an already running **application**, and LANSite, a **remote control** utility that allows a workstation on a Novell Inc. LAN to take full control of another **workstation** on the LAN. For more information, call (212) 431-8484.

EMERALD COMPUTERS INC.Portland, Ore.-based Emerald Computers, booth No. 2266, will be showing its recently introduced 80286...

18/3,K/31 (Item 31 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01309239 SUPPLIER NUMBER: 07701852 (USE FORMAT 7 OR 9 FOR FULL TEXT)



New software extends the reach of LANs: remote-access programs bring network power to stand-alone PCs. (buyers guide)

Bermar, Amy

PC Week, v6, n38, p101(1)

Sept 25, 1989

DOCUMENT TYPE: buyers guide ISSN: 0740-1604 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1051 LINE COUNT: 00081

...ABSTRACT: area network (LAN) gateways and to give traveling computer users access to their base computers. Remote-access packages combine the technology of dial-up communications software with the remote-control of a LAN. The packages provide peer-to-peer communication by giving users access to several common modems. Network managers can use the packages to maintain several LANs from one workstation in the office or at home. Such a set-up can provide security and save on costs.

18/3,K/32 (Item 32 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01310899 SUPPLIER NUMBER: 07713822 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The LAN's helping hand. (Software Review) (overview of 7 local-area network remote-control programs) (evaluation)

Derfler, Frank J. Jr.; Watson, Pamela

PC Magazine, v8, n18, p229(18)

Oct 31, 1989

DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2005 LINE COUNT: 00157

ABSTRACT: Seven software packages for remote control on local area networks (LANs) are reviewed: Norton-Lambert Corp's Close-Up/LAN 2.0; D-Link Systems Inc's D-Link Screen Monitor...

...s NETremote Plus 3.0; and Crosstalk Communications' R2LAN. All the products link the keyboards and screens of a 'master' microcomputer to those of other computers across a network. Some also offer both 'one to many' and 'many to one' connections; The Network Eye and Close-Up/LAN are the most flexible. Close-Up...

18/3,K/33 (Item 33 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)

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02338098

DEC's enterprise network architecture to hit the streets

Computerworld November 13, 1989 p. 7

ISSN: 0010-4841

...the next 2 yrs, according to sources. The key components that DEC is expected to introduce in the week of 11/13/89 are a workstation that allows different network management systems to be displayed on different windows on the screen; offerings that will link this EMA workstation to such existing DEC network management products as Ethernim, Remote Bridge Management Software and Remote System Manager; and products that link EMA to the network management systems offered by the 7 original EMA supporters. The 7 original EMA...

18/3,K/34 (Item 34 from file: 674)

DIALOG(R)File 674:Computer News Fulltext

(c) 2001 IDG Communications. All rts. reserv.

002176

DEC's enterprise network architecture to hit the streets

Byline: Elisabeth Horwitt, CW Staff  
Journal: Computerworld Page Number: 7  
Publication Date: November 13, 1989  
Word Count: 615 Line Count: 44

Text:

... workstation that is said to allow the user to call up various network management systems in different windows on the screen.

Links to the EMA workstation for existing DEC network management offerings such as Ethernim, Remote System Manager and Remote Bridge Management Software.

Formal introductions, including availability dates, of links between EMA and the network management systems of some of the seven original EMA supporters. For example, T1...

18/3,K/35 (Item 35 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
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02352351

DEC takes wraps off first EMA wares, adds backers  
Network World November 20, 1989 p. 2,60

...Management Station and the DECmcc Enterprise Management Station. The Site Management Station will run the Network Management Control Center (NMCC)/VAX Ethernet Integrity Monitor, the LAN Traffic Monitor, the Terminal Server Manager and Remote Bridge Management Software. The Enterprise Management Station will run these as well as the NMCC/DECnet Monitor. Digital also announced that the DECmcc Director, which controls data flow...

18/3,K/36 (Item 36 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01314343 SUPPLIER NUMBER: 07925308 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
DEC enhances its Computer-Integrated Telephony offering, adds support for Mitel SX2000. (product announcement)  
Computergram International, n1315, CGI11290002  
Nov 29, 1989  
DOCUMENT TYPE: product announcement ISSN: 0268-716X LANGUAGE:  
ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 585 LINE COUNT: 00049

... Management Station for "enterprise-wide" networks enable integration of network management products under DECWindows, and consolidate new versions of existing DEC network management products - namely LAN Traffic Monitor, Terminal Server Manager, Remote Bridge Management Software and NMCC/VAX ETHERnim. Using DECWindows, these tools provide four windows into the network's performance on a single screen. And DEC has added six...

18/3,K/37 (Item 37 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01345808 SUPPLIER NUMBER: 08039404 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Current systems get mixed reviews from network managers. (user survey) (includes related articles on standards, vendor offerings, Simple Network Management Protocol)  
Powell, Dave  
Networking Management, v8, n1, p60(5)  
Jan, 1990  
ISSN: 1052-049X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2954 LINE COUNT: 00233

... products that we have, or do anything better than what we have today. But it eventually will."

He points out that Digital's recently announced **network workstation** (the DECmcc Management Station) does consolidate Digital's **LAN Traffic Monitor**, **Terminal Server Manager**, **ETHERnim Ethernet manager**, and **Remote Bridge Management Software**, and presents their results through windows on a single screen. "The concept's correct, but not everybody has Tls to all of their node sites..."

18/3,K/38 (Item 38 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01350261 SUPPLIER NUMBER: 08167986 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Future of 4GLs lies in CASE integration. (fourth-generation languages  
integrated with computer-aided software engineering tools)

Weitz, Lori

Software Magazine, v10, n2, p33(8)

Feb, 1990

ISSN: 0897-8085 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3656 LINE COUNT: 00306

... PC/Focus and the mainframe utilizing Logical Unit 2 (LU 2) and LU 6.2 for network communications.

Future phases will include products that support **remote execution** of centrally stored **application** procedures by client applications, according to an Information Builders spokesperson. Future products will also allow an application to execute in multi-vendor **networks** of dissimilar processors.

**Computer Associates** has announced CA-ACE (Application Construction Environment), which combines two complementary technologies: the cooperative procesing facilities of CA-ADS and CA-ADS/PC, and...

18/3,K/39 (Item 39 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01335385 SUPPLIER NUMBER: 08181810

Remote control for LAN users: Norton-Lambert's Close-Up/LAN offers  
administration and support capabilities. (Software Review) (local area  
network) (evaluation)

Olympia, PL; Cea, Kathy

LAN Times, v7, n2, p142(3)

Feb, 1990

DOCUMENT TYPE: evaluation ISSN: 1040-5917 LANGUAGE: ENGLISH

RECORD TYPE: ABSTRACT

ABSTRACT: Norton-Lambert (Santa Barbara, CA) offers a flexible local area network (LAN) **remote control software** package, Close-Up/LAN 2.0, that enables a user on one DOS-based workstation to observe and control activities on other **workstations** linked by a **LAN** running Novell Sequenced Packet Exchange/Internetwork Packet Exchange or NetBIOS. Close-Up/LAN consists of a terminate-and-stay-resident (TSR) host program on workstations...

18/3,K/40 (Item 40 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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01104836 Supplier Number: 41239332

SoftKlone introduces TAKEOVER (TM), a PC remote control software product that inte-grates state-of-the-art remote control and general communications features in

News Release, pl

March 26, 1990

Language: English      Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:

SoftKlone, the publisher of the MIRROR III (TM) PC communications software package, announced today that it has released TAKEOVER, its new PC **remote control software** product. TAKEOVER's Dialing Directory interface features pull-down menus with keyboard or mouse control for a friendly, easy-to-use environment. Whether users want...

...features, TAKEOVER includes all the features of SoftKlone's award-winning MIRROR III (TM) PC communications software, making it ideal for accessing mini/mainframe **computers**, **on-line** information services, electronic mail systems and bulletin boards. TAKEOVER also includes PRISM (TM), a powerful communications programming language, that provides users with a level...

...session automation before **un-** seen in a remote control package. For example, a simple script can selectively update all out-of-date files on a **remote** Host PC or **run** a remote **application** unattended.

...

18/3,K/41      (Item 41 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01390584      SUPPLIER NUMBER: 08274916      (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Building workgroup solutions: zero-slot LANs. (Software Review) (overview of five evaluations of serial and parallel connectivity software) (includes related article on Editor's Choices) (evaluation)**

Maxwell, Kimberly; McGovern, Patricia A.

PC Magazine, v9, n8, p187(13)

April 24, 1990

DOCUMENT TYPE: evaluation      ISSN: 0888-8507      LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3083      LINE COUNT: 00233

... On the other hand, the ability to respond to Netbios calls from application programs is worth having. This feature lets you use SNA gateways, LAN **remote -control software** (see "The LAN's Helping Hand," PC Magazine, October 31, 1989), certain e-mail packages, and asynchronous communications servers over your zero-slot network. The...

...often you can use a zero-slot LAN to add a station to a larger network quickly and cheaply by linking it to an existing **workstation** on the larger **LAN** over a low-cost serial or parallel link.

PRINTER SHARING AND E-MAIL

If today's zero-slot LANs don't shine performancewise, they hold...

18/3,K/42      (Item 42 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2001 The Gale Group. All rts. reserv.

01366279      SUPPLIER NUMBER: 08711456      (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Shiva Corp. (Software Review) (one of three evaluations of remote access software packages in 'Tools give Mac users remote access') (evaluation)**

Gunnerson, Gary; Curry, Jennifer

PC Week, v7, n31, p74(1)

August 6, 1990

DOCUMENT TYPE: evaluation      ISSN: 0740-1604      LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1079      LINE COUNT: 00083

...ABSTRACT: chief drawback is that the Telebridge provides only network connection, leaving the user with the necessity of purchasing networking

software for file transfer functions or **remote-control software to control** a Macintosh **computer** on another **network** . While users praised the system's user interface, they also said that it was rather difficult to keep the system up and running.

18/3,K/43 (Item 43 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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01294306 Supplier Number: 41513706  
**XcelleNet To Deliver Suite Of LAN-Like WAN Software**  
PC Week, p1  
August 27, 1990  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Tabloid; General Trade

ABSTRACT:

...the company says. The company released its WAN Management software in 1989. The new software family, intended to offer LAN-like applications to wide-area **networks** of personal **computers** , will include a tool for generating and distributing documentation, an electronic mail system, forms-generation programs and viewing programs usable with Microsoft's SQL Server database. Still in development are a **remote-control program** for accessing remote PCs, a query tool, and an upgrade to XcelleNet's X/Shell software. ...

18/3,K/44 (Item 44 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2001 The Gale Group. All rts. reserv.

01314699 Supplier Number: 41544149  
**HP Focuses on PC LAN Market With Slew of Ethernet Products**  
PC Week, p10  
Sept 10, 1990  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Tabloid; General Trade

ABSTRACT:

Hewlett-Packard (Palo Alto, CA) has developed a variety of new Ethernet products and reduced prices on existing 10BaseT adapters. The PC **LAN** (personal **computer** local area **network** ) is becoming a new platform in the computing industry, according to Alan Housley, product marketing mgr. The company has developed 16-bit EtherTwist 10BaseT cards, local and **remote** bridges, bridge-management **software** and mass storage products. The cards comply with the IEEE 10BaseT standard for running over unshielded twisted-pair cabling. The product announcements are aimed at...

18/3,K/45 (Item 45 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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01317674 Supplier Number: 41548714 (USE FORMAT 7 FOR FULLTEXT)  
**RETIX LAUNCHES HIGH-SPEED RETIX 4660 ETHERNET BRIDGE**  
Computergram International, n1510, pN/A  
Sept 13, 1990  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 223

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...bridges while preserving existing investments. By downloading new software versions through the network from a Retix network management station or a personal computer, administrators can **remotely update** each bridge's **software** . The 4660 can also isolate traffic on subnetworks. For

example, **networks** comprising diskless **workstations** that create a high volume of traffic when transferring data from the server can be isolated. This division keeps the bulk of the data off the main **network**, but gives diskless **workstation** users access to any devices on the entire network. Other features include autolearning, transparency and special filtering. The bridge supports plug-in, modular interfaces for...

18/3,K/46 (Item 46 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01381696 SUPPLIER NUMBER: 09410191 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The traffic is LAN-to-LAN, the highway is SNA. (The Wide View) (column)**  
Kramer, Matt  
PC Week, v7, n37, p62(1)  
Sept 17, 1990  
DOCUMENT TYPE: column ISSN: 0740-1604 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 668 LINE COUNT: 00049

...ABSTRACT: network and the load on the both the backbone and the LAN itself as well as by the number of concurrent applications running in the **workstation** with the **WAN** software. **Remote management** of LANs is a likely future application for SNA-based WAN technology.

18/3,K/47 (Item 47 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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01336605 Supplier Number: 41577161  
**NEW PC REMOTE-CONTROL RANGE IS FIRST TO SUPPORT LOCAL AREA NETWORK AND X.25 WIDE AREA NETWORK ACCESS**  
News Release, p1  
Oct, 1990  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:

London-based data communications specialist M-Trade is introducing the Co/Session range, the only suite of **remote control applications** to support PC-to-network and network-to-network access via ISDN and X.25 circuits as well as straightforward PC-to-PC operations using...

...leaving their own workbench. The Co/Session range comprises four packages: standard Co/Session for access to standalone PCs; Co/Session LAN for access to **networked workstations**; Co/Session X.25 for remote control over X.25 packet-switched wide area networks; and Session/XL, an optional scripting language that lets users automate Co/Session's features for unattended **remote program execution**, remote batch printing, wide area information transfer, and so on. Co/Session packages are easy to use, with menu-driven user interfaces and extensive, context-sensitive help screens. They are also considerably faster than other **remote-control programs**, with a number of facilities available to increase speed and thus reduce on-line costs. These include very fast text screen updates and graphics modes...

18/3,K/48 (Item 48 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01384414 SUPPLIER NUMBER: 09601363 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**DOS under cover. (operating MS-DOS under the Unix operating system)**  
(includes related article on use of the word 'window')  
Vogler, Jon  
PC User, n144, p58(3)

Oct 24, 1990

ISSN: 0263-5720

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3186

LINE COUNT: 00247

... for producing simple screen menus, invoked automatically when users log in. The application package is selected and run without users ever seeing a Unix prompt.

**Networking workstation** manufacturer Sun Microsystems developed the brilliant NFS (Network File System), widely available on Unix systems, that allows one machine to access files on another (via...

...data files and applications that can be accessed as if they were on the PC's own disk. NFS Version 4.0 even allows the **remote** client to **execute** a **program** contained on the server's file system.

Other manufacturers have extended the functionality of this type of product. Software is now available that'll allow...

18/3,K/49 (Item 49 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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01399986 Supplier Number: 41668529 (USE FORMAT 7 FOR FULLTEXT)

**Network Tools To Go**

CommunicationsWeek, p21

Nov 12, 1990

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 508

... has unveiled no-fuss, no-muss pre-packaged communications and applications.

ExcelleNet sells products for building and managing two-way dial-up communications between personal **computers** or local area **networks** at remote locations. The heart of its product line is the **Remote Application Management** System, which also is used for software distribution.

Late last month, ExcelleNet added to that system a set of icon-oriented software tools, called X...

18/3,K/50 (Item 50 from file: 647)  
DIALOG(R)File 647:CMP Computer Fulltext  
(c) 2001 CMP Media, LLC. All rts. reserv.

00569506 CMP ACCESSION NUMBER: CWK19901112S1258

**Network Tools To Go - ExcelleNet packages communications, applications**

CHRISTINE BONAFIELD

COMMUNICATIONSWEEK, 1990, n 326, 21

PUBLICATION DATE: 901112

JOURNAL CODE: CWK LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: COMPUTER NETWORKING

WORD COUNT: 500

ExcelleNet sells products for building and managing two-way dial-up communications between personal **computers** or local area **networks** at remote locations. The heart of its product line is the **Remote Application Management** System, which also is used for software distribution.

Late last month, ExcelleNet added to that system a set of icon-oriented software tools, called X...

File 256:SoftBase:Reviews,Companies&Prods. 85-2001/Oct

(c)2001 Info.Sources Inc

File 278:Microcomputer Software Guide 2001/Oct

(c) 2001 Reed Elsevier Inc.

Set	Items	Description
S1	1150	(REMOTE? OR DISTANCE OR DISTANT? OR TELE) (3N) (EXECUT? OR C- ONTROL? OR RUN? ? OR RUNNING OR ACTUAT? OR ACTIVAT? OR OPERAT? OR SHUTDOWN? OR SHUT????()DOWN OR CLOSE? OR CLOSING OR UPDAT- ???) OR TELECONTROL?
S2	77696	PROGRAM? ? OR PROGRAMME OR PROGRAMMES OR APPLICATION? OR S- OFTWARE OR INSTRUCTION?
S3	41422	COMPUTER? OR CPU OR CPUS OR CLIENT? OR TERMINAL? OR WORKST- ATION? OR WORK()STATION? OR DESKTOP? OR DESK()TOP? ?
S4	55603	ONLINE OR ON()LINE OR INTERNET? OR INTRANET? OR EXTRANET? - OR NETWORK? OR WEB OR LAN OR LANS OR WAN OR WANS OR WAIS
S5	199	S1(5N)S2 AND S3(5N)S4
S6	66	S1(3N)S2(S)S3(3N)S4
S7	5	S6 NOT (PY=(1996:1998 OR 1999:2001) OR PD,RD=(19960119:199- 81231 OR 19990101:20011109))



7/5/1 (Item 1 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01775673 DOCUMENT TYPE: Product

PRODUCT NAME: ControlIT 5.0 (775673)

Computer Associates International Inc (081957)  
1 Computer Associates Plaza  
Islandia, NY 11749 United States  
TELEPHONE: (631) 342-5224

RECORD TYPE: Directory

CONTACT: Sales Department

Computer Associates' ControlIT 5.0 is a remote control system that lets authorized workers control another computer from a remote location. Users can view multiple machines, exchange files, record sessions, launch applications, and more. The ControlIT system makes it easy for network administrators to manage the access privileges of remote control users, assigning rights by individual or group. They can set up security policies and keep an audit log of all activities. Other advantages and features of ControlIT include encryption and authentication of data, centralized administration, on-the-fly launching of ControlIT, fast operation, session recording, a Web browser viewer, and support for multiple monitors. ControlIT has applications in training groups, call center quality control, help desks, and network server administration.

DESCRIPTORS: Remote Control ; LANs; Remote Network Access; Network Software ; WANs ; Computer Security ; Network Administration Tools; System Monitoring

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: Windows; Internet Explorer; Windows NT/2000; Netscape  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Cross Industry, Network Administrators, Remote Control, Training  
PRICE: Available upon request

OTHER REQUIREMENTS: 16MB RAM; Win 3x+ required  
REVISION DATE: 000000

7/5/2 (Item 2 from file: 256)  
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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01760722 DOCUMENT TYPE: Product

PRODUCT NAME: Virtual Network Computing (760722)

AT&T Laboratories (UK) (664723)  
24A Trumpington St  
Cambridge, CB2 1QA United Kingdom  
TELEPHONE: ( ) 122-3343000

RECORD TYPE: Directory

CONTACT: Sales Department

Virtual Network Computing (VNC) is a remote desktop environment that allows users to access their network(s) from a variety of systems. VNC's important features include: small size (150K); platform-independence, including all Java systems; sharable desktops; data is stored at the viewer; and freely

. distributable.

DESCRIPTORS: Remote Network Access; Thin Clients /Network Computers  
; Internetworking ; Network Software ; Data Communications; Remote  
Control

HARDWARE: Thin Clients/Network Computers; IBM PC & Compatibles; Apple  
Macintosh; Java; MIPS; DEC; Sun

OPERATING SYSTEM: Java; Solaris; Windows NT/2000; Linux; OSF; Windows CE;  
Windows; MacOS

PROGRAM LANGUAGES: Java

TYPE OF PRODUCT: Mini; Micro; Workstation

POTENTIAL USERS: Cross Industry

PRICE: \$0; freely distributable

DOCUMENTATION AVAILABLE: Source code; online documentation

REVISION DATE: 991103

7/5/3 (Item 3 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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01743135 DOCUMENT TYPE: Product

PRODUCT NAME: Magic Total Service Desk (743135)

Network Associates Inc (613304)  
3965 Freedom Cir  
Santa Clara, CA 95054 United States  
TELEPHONE: (972) 308-9960

RECORD TYPE: Directory

CONTACT: Sales Department

Magic Total Service Desk from Network Associates is a leading help desk solution that gives users the tools needed to solve technical problems, not just track them. It controls network assets, events, and repairs. A patent-pending customization technology makes TSD easy to modify as a business changes. Its unique 'problem-sensitive' tool linker allows the correct tool to be launched to locate a technical problem. For example, Magic Total Service Desk will automatically launch a remote control program when a desktop must be controlled. Magic Total Service Desk is 100 percent customizable. Users do not need to purchase extra tools to modify the system. Magic Total Service Desk is totally browser-based.

DESCRIPTORS: Technical Support; Network Software ; LANs ; Computer  
Diagnostics ; Remote Control ; Network Administration Tools;  
Network Inventory

HARDWARE: IBM PC & Compatibles

OPERATING SYSTEM: Windows; Windows NT/2000

PROGRAM LANGUAGES: Not Available

TYPE OF PRODUCT: Mini; Micro; Workstation

POTENTIAL USERS: Cross Industry, Help Desks

PRICE: Available upon request

REVISION DATE: 991103

7/5/4 (Item 4 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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01697621 DOCUMENT TYPE: Product

PRODUCT NAME: SLnet (697621)

Seattle Lab Inc (643963)  
11730 118th Ave NE #400  
Kirkland, WA 98034 United States  
TELEPHONE: (425) 825-7000

RECORD TYPE: Directory

CONTACT: Sales Department

SLnet from Seattle Lab lets users transform their Microsoft Windows NT system into a true multi-user system. Terminal emulation technology is the key to SLnet's ability to support many users at a time without increasing system overhead. Users simply log on to the host computer and can use the remote computer like they would if they were working directly on that computer. Compatible with any Telnet client, SLnet was written to comply with open Internet standards. Any wireless radio frequency device that supports the Telnet protocol can access applications via SLnet. SLnet also provides a high level of security. Key features include: two levels of time-out, clean up of dropped connections, and automatic log off after a defined period of inactivity; a free software development kit; and users can work invisibly on the Windows NT server without bothering console users.

DESCRIPTORS: Internet Access; Remote Control; Network Software ;  
Terminal Emulators; Data Communications

HARDWARE: IBM PC & Compatibles  
OPERATING SYSTEM: Windows NT/2000  
PROGRAM LANGUAGES: Not Available  
TYPE OF PRODUCT: Micro  
POTENTIAL USERS: Cross Industry  
PRICE: \$499 per server - unlimited license

DOCUMENTATION AVAILABLE: Online documentation  
TRAINING AVAILABLE: Support contracts available; technical support; e-mail support; telephone support  
OTHER REQUIREMENTS: 2MB RAM per user login; Win NT 4.0 required  
REVISION DATE: 991129

7/5/5 (Item 1 from file: 278)  
DIALOG(R)File 278:Microcomputer Software Guide  
(c) 2001 Reed Elsevier Inc. All rts. reserv.

0020156

0020156XX STATUS: ACTIVE ENTRY

**TITLE: Ingres II/Net**

COMPATIBLE HARDWARE: IBM PC family and compatibles; Hewlitt-Packard micros; Unix & unix like environments; Digital Equipment micros; Apple Macintosh

MICROPROCESSOR TYPE: Support agreement available

OPERATING SYSTEM(S) REQUIRED: Solaris, SunOS, HP-UX, SVR4, AIX, DEC VAX, Alpha/VMS, OpenVMS, Digital UNIX, SCO UNIX, Open Server, Windows 95 & NT, DG-UX, VAX SP, SCO UNIXware, Macintosh

**PRICE INFORMATION:**

Diskette Contact publisher for price

ANNOTATION: Allows distributed access to Ingres II databases connected in computer networks, including different operating environments. Accesses Ingres II information from remote computers while running Ingres II tools/applications locally

DESCRIPTORS: BUSINESS MANAGEMENT - MISCELLANEOUS

DESCRIPTOR CODES: 10007155

PUBLISHER: Computer Associates International, Incorporated; Comp Assocs NY (0-918317; 0-922091; 0-922344; 0-923108; 0-926530; 0-928104)

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Irving, TX 75039

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